

Appendix K. Phase II Environmental Site Assessment Kings Beach Commercial Core Improvement Project

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
KINGS BEACH COMMERCIAL
CORE IMPROVEMENT PROJECT
STATE HIGHWAY 28
KINGS BEACH, CALIFORNIA**

October 31, 2006

Copyright 2006 Kleinfelder, Inc.
All Rights Reserved

This document was prepared for use only by the Client, only for the purposes stated, and within a reasonable time from issuance. Non-commercial, educational, and scientific use of this report by regulatory agencies is regarded as a "fair use" and not a violation of copyright. Regulatory agencies may make additional copies of this document for internal use. Copies may also be made available to the public as required by law. The reprint must acknowledge the copyright and indicate that permission to reprint has been received.

October 31, 2006

File: 74330.03

Rich Williams
State of California
Department of Transportation
District 3, Program Project Management
2800 Gateway Oaks Dr, MS-19
Sacramento, California 95833

SUBJECT: Phase II Environmental Site Assessment
Kings Beach Commercial Core Improvement Project
State Highway 28
Kings Beach, California

References: Final Initial Site Assessment (ISA), For Kings Beach Commercial Core Improvement Project, State Highway 28 From Chipmunk Street to State Highway 267, Kings Beach, California, by MACTEC, dated April 4, 2006

Revised Work Plan, Phase II Environmental Site Assessment, Kings Beach Commercial Core Improvement Project, State Highway 28, Kings Beach, California, by Kleinfelder, Inc., dated September 5, 2006.

Dear Mr. Williams:

Kleinfelder is pleased to provide the results of our Phase II Environmental Site Assessment for the above referenced project. The right-of-way in front of eight parcels was investigated during this site assessment by drilling 15 soil borings to depths of 10 feet below ground surface (bgs) and collecting and analyzing soil samples.

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former Shell/Chevron station. At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils.

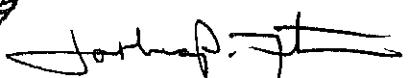
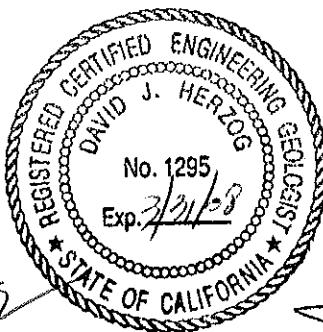
If you have any questions or need additional information, please contact the undersigned in our Reno office.

Sincerely,

KLEINFELDER, INC.



David J. Herzog, C.E.G.
Senior Engineering Geologist



Joshua P. Fortmann, P.G.
Project Geologist

Attachments: Work Plan

cc: Ms. Alicia Beyer, Department of Transportation
Mr. Lupe Jimenez, Department of Transportation
Mr. Dan LaPlante, Placer County DPW (2)
Mr. John Reid, Placer County Environmental Health Services

TABLE OF CONTENTS

	<u>PAGE</u>
1 INTRODUCTION	1
2 ASSESSMENT ACTIVITIES	3
2.1 Pre-drilling activities	3
2.2 Vacuum truck drilling	3
2.3 Geoprobe Drilling	4
2.4 Soil Sampling and Analysis	4
2.5 Laboratory quality assurance/quality control procedures	5
3 ASSESSMENT RESULTS	7
3.1 Subsurface conditions	7
3.2 Laboratory results	7
3.3 Quality assurance/quality control (Qa qc).....	9
3.3.1 Data Review and Validation	11
4 CONCLUSIONS AND RECOMMENDATIONS	13

TABLES

- 1 Summary of Soil Analyses

PLATES

- 1 Phase II Borings

APPENDICES

- A. Permits
- B. Boring Logs
- C. Laboratory Reports

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
KINGS BEACH COMMERCIAL
CORE IMPROVEMENT PROJECT
STATE HIGHWAY 28
KINGS BEACH, CALIFORNIA**

1 INTRODUCTION

The Kings Beach Commercial Core Improvement Project will install sidewalks, roadway improvements, and water quality treatment facilities along the north and south sides of Highway 28 from Chipmunk Street to Highway 267 in Kings Beach, California. At this time, the preferred alternative for roadway alignment has not been chosen and the locations of the roadway improvements and water quality treatment facilities are not known. Sidewalk construction will require excavation and disposal of soil to depths of approximately 2.0 feet below ground surface (bgs) throughout the project site located generally within the State of California Department of Transportation right-of-way. Installation of water quality improvements and replacement/installation of traffic light and street light foundations may require excavation and disposal of soil to depths of 10 feet bgs.

The purpose of this Phase II Environmental Assessment was to evaluate soil for the presence of contaminants that would require special handling and disposal. Parcels with releases of petroleum compounds to the subsurface including current and historic gasoline service stations, and historic gasoline service stations that had underground storage tanks (USTs) removed in the past with little documentation are potential sources of contaminated soil. The right-of-way in front of eight parcels was selected for investigation as discussed in the referenced revised work plan.

These eight parcels are listed below according to increasing address number along North Lake Boulevard (Highway 28) from west to east and are shown in the Site Plan, Plate 1.

1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012
2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029
3. Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017
4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011

5. Subway/ Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030
6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031
7. Ronning Property/"Unnamed Repair Shop/Former Chevron Station", 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020
8. King's Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

2 ASSESSMENT ACTIVITIES

2.1 PRE-DRILLING ACTIVITIES

An encroachment permit was obtained from Caltrans and is included in Appendix A.

A soil boring permit was obtained from Placer County Environmental Health Services (PCEHS) and is included in Appendix A.

The proposed drilling locations were marked for inspection and utility clearance by Underground Service Alert (USA). A private utility locator, Nevada Underground Location used geophysical equipment to further verify the location of utilities.

A Site Health and Safety Plan was prepared containing the route to the hospital, potential chemical and physical hazards, personnel protective equipment required, and personnel training requirements. A Health and Safety meeting was held prior to the start of drilling.

2.2 VACUUM TRUCK DRILLING

Based on the close proximity of utility lines (less than 24 inches in accordance with USA) to six proposed boring locations (B-2, B-3, B-4, B-5, B-7, and B-8), vacuum truck drilling technology was used to clear these six drilling locations on September 25, 2006. A jackhammer was used to penetrate the asphalt concrete (AC) surface to a depth of four to six inches bgs and create a 12-inch diameter hole. A vacuum truck was then used to remove drill cuttings to a depth of approximately five feet bgs at these six locations. The vacuum truck drilling ceased prior to collecting soil samples for analysis using a hand auger at the required sample depths of 1.0 and 4.0 feet bgs. Soil samples were placed in laboratory-supplied 500 milliliter glass jars with Teflon-lined caps, sealed, placed in an ice chest, and submitted under chain-of-custody protocols to a California-certified laboratory, Alpha Analytical, Inc.

Photoionization detector (PID) readings were collected at approximately one-foot intervals, were noted on the boring logs provided in Appendix B, and visual, and/or olfactory evidence of hydrocarbons were also noted on the boring logs.

2.3 GEOPROBE DRILLING

Geoprobe borings B-1, B-6, and B-9 through B-15 were advanced from ground surface to a total depth of 10 feet bgs at the locations shown in Plate 1 on September 25 and 26, 2006. Geoprobe borings B-2 through B-5, and B-7 were advanced from below the vacuum truck boring depth of 4.0 to 5.0 feet bgs to a total depth of 10.0 feet bgs on September 25, 2006. Geoprobe boring B-8 was advanced from below the vacuum truck boring depth of 3.5 feet bgs to a total depth of 5.0 feet due to practical refusal on September 25, 2006. PID readings, visual, and/or olfactory evidence of hydrocarbons were noted on the boring logs. A one-inch diameter continuous soil sample was obtained at each location, stored in plastic liners, and sealed with plastic caps.

Soil borings were backfilled with cement grout after drilling per PCEHS regulations. Backfilling procedures were witnessed by a PCEHS inspector.

2.4 SOIL SAMPLING AND ANALYSIS

A PID meter was utilized to detect the presence of total petroleum hydrocarbons (TPH) in soil. A portion of the soil sample at one-foot intervals was placed in a plastic zip-lock bag and sealed. The sealed plastic bag containing the selected soil sample was placed in a warm location for a minimum of five minutes and the headspace in the bag was monitored with a PID. PID readings were noted on the boring log. The portion of each soil sample from which there was a PID indication of TPH was transferred into laboratory-supplied glass containers and placed in a cooler with ice pending transportation to the laboratory for chemical analyses utilizing standard chain-of-custody (COC) procedures.

Up to three soil samples from borings B-1 through B-15 were submitted for laboratory analysis. If no PID readings were detected above background, and no visual or olfactory evidence of hydrocarbons was noted, one soil sample from a depth of 1.0 to 2.0 feet bgs, the second from a depth of 4.0 to 5.0 feet bgs, and the third from a depth of 9.0 to 10.0 feet bgs or immediately above groundwater was submitted for laboratory analysis. If PID readings above background, visual, or olfactory evidence of hydrocarbons were noted, samples were submitted from those depths for laboratory analysis. Groundwater samples were not collected.

Each soil sample analyzed was prepared by cutting the plastic liner, capping both ends of the liner, labeling, placing in an ice chest, and submitted under COC protocols to a California-certified laboratory.

The sampling equipment was decontaminated between borings by washing with an Alconox and distilled water solution and triple-rinsing with distilled water to prevent cross-contamination of soil samples. In compliance with the Caltrans statewide Storm Water Permit, all rinsate remained within Caltrans Right of Way and was not allowed to enter storm drains.

Each soil sample from borings B-1 through B-15 was analyzed for total petroleum hydrocarbons-diesel (TPH-diesel), TPH-oil, and TPH-gasoline by EPA Method 8015M; and benzene, toluene, ethyl benzene and total xylenes (BTEX) by EPA Method 8260. Boring B-11, adjacent to APN 090-192-031 was also analyzed for volatile organic compounds by EPA Method 8260 as this site was a former dry cleaner.

Eight soil samples with the highest TPH concentrations (B-2@1-2 ft, B-6@8-9 ft, B-9@2-3 ft, B-10@4-5 ft, B-11@4-5 ft, B-12@4-5 ft, B-13@2-3 ft, and B-15@4-5 ft) were also analyzed for total lead in general accordance with EPA Method 6010B. Since none of the total lead concentrations exceeded 50 mg/kg, no samples were analyzed for concentrations of soluble lead using the Waste Extraction Test (WET). The laboratory performing chemical analyses is certified by the California Department of Health Services (DHS) for the following laboratory test methods: EPA Method 8015M, EPA Method 8260, and EPA Method 6010B.

Laboratory reports are provided in Appendix C.

2.5 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Laboratory quality assurance (QA)/quality control (QC) procedures consisted of:

- One sample analyzed in duplicate for every ten samples, batch of samples, or type of matrix, whichever is more frequent. Five duplicate samples were analyzed.
- One method blank for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three method blanks were analyzed.
- One laboratory control spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent. Three laboratory control spikes were analyzed.
- One sample matrix spike for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times the detection limit or at the analyte level. Three sample matrix spikes were analyzed.
- One sample matrix spike duplicate for every twenty samples, batch of samples, or type of matrix, whichever is more frequent, with the spike made at ten times

the detection limit or at the analyte level. Three sample matrix spike duplicates were analyzed.

Laboratory QA/QC results are provided in Appendix C.

3 ASSESSMENT RESULTS

3.1 SUBSURFACE CONDITIONS

The Geologic Map of the Lake Tahoe Basin (Saucedo, 2005) indicates that the area explored is underlain by Holocene-age lake deposits consisting of thinly bedded sandy silt and clay. The Soil Survey of the Lake Tahoe Basin (U.S. Soil Conservation Service, 1974) indicates that the area explored is primarily underlain by Jabu stony sandy loam, moderately fine soil variant, 2 to 9% slopes (JhC). This soil is mapped as consisting of a thin surface layer of stony sandy loam overlying loam, sandy clay loam, and old lake sediments of clay loam texture.

Subsurface conditions encountered during this investigation are presented in the boring logs in Appendix B. Soils encountered were consistent with the geologic map and soil survey and were composed of interbedded layers of brown, reddish brown, and dark brown silty sand, silty gravel, gravelly sand, clayey sand, and sandy gravel above the seasonal high groundwater level. Below the seasonal high groundwater level, soils encountered consisted of grayish brown and gray silty sand and clayey sand with mottles of reddish brown and strong brown.

Petroleum odors were noted in borings B-3, B-6, B-12, and B-14. Slightly elevated PID readings were noted in borings B-2, B-3, B-5, and B-10. High PID readings were noted in borings B-6 and B-14 at depths below 8 feet bgs. No discoloration of soil was visually noted.

All borings penetrated to the design depth of 10.0 feet bgs with the exception of boring B-8 that encountered a very dense sandy gravel layer at a depth of 5.0 feet bgs. Three attempts were made to advance the boring in the vicinity of B-8 with no further progress made.

3.2 LABORATORY RESULTS

Laboratory results are summarized in Table 1 and presented in Appendix C. Laboratory results are discussed by parcel. The Eastern Regional Landfill in Truckee, California can only accept clean fill materials for disposal. Therefore, any detectable concentration of TPH in soil will require disposal at an alternate location.

1. Beacon-Station, 8070 N. Lake Blvd, APN 117-180-012

Boring B-1 at depths of 1.0 and 4.0 feet bgs and boring B-2 at a depth of 1.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 15 to 200 milligrams per kilogram (mg/Kg). The total lead concentration from boring B-2 at a depth of 1.0 feet bgs was 11 mg/Kg.

2. Dave's Ski Shop/Former King's Beach Mobil Station, 8299 N. Lake Boulevard, APN 090-071-029

Borings B-3 and B-4 at depths of 1.0 feet bgs contained low concentrations of TPH in the diesel and oil ranges at concentrations ranging from 10 to 63 mg/Kg.

3. Chevron Station/Former Shell Station, 8369 N. Lake Boulevard, APN 090-075-017

Boring B-6 at a depth of 8.0 feet bgs contained TPH-purgeable at a concentration of 340 mg/Kg, ethylbenzene at a concentration of 800 micrograms per kilogram (ug/Kg) and total xylenes at a concentration of 2,790 ug/Kg. The total lead concentration from this sample was 4.7 mg/Kg.

4. Kentucky Fried Chicken/Former Union 76 Station, 8697 N. Lake Boulevard, APN 090-133-010, 011

Boring B-7 at a depth of 6.0 feet bgs contained a very low concentration of TPH-diesel of 6 mg/Kg that is slightly above the detection limit of 5 mg/Kg. Boring B-8 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 8.7 to 40 mg/Kg.

5. Subway/Former Arco Station, 8700 N. Lake Boulevard, APN 090-134-030

Borings B-9 and B-10 at depths of 2.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 17 to 1,300 mg/Kg. Boring B-10 at a depth of 4.0 feet bgs also contained very low concentrations of ethylbenzene and total xylenes. Boring B-10 at a depth of 7.0 feet bgs contained TPH in the oil range at a concentration of 34 mg/Kg. The total lead concentration from these samples ranged from 6.0 to 7.1 mg/Kg.

6. Show Place Home Furnishings, 8731 N. Lake Boulevard, APN 090-192-031

Boring B-11 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 76 to 4,900 mg/Kg. The total lead concentration in the sample from 4.0 feet bgs was 25 mg/Kg.

7. Ronning Property/"Unnamed Repair Shop/Former Chevron Station", 8784 N. Lake Boulevard, APN 090-071-013, -014, and -020

Boring B-12 at depths of 1.0, 3.0, and 4.0 feet bgs and boring B-13 at a depth of 2.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 26 to 4,100 mg/Kg. The total lead concentration from these samples ranged from 3.2 to 3.8 mg/Kg.

8. King's Beach Swiss Mart/Former Chevron Station, 8797 N. Lake Boulevard, APN 090-192-041

Boring B-14 at a depth of 1.0 feet bgs and boring B-13 at depths of 1.0 and 4.0 feet bgs contained TPH in the diesel and oil ranges at concentrations ranging from 16 to 2,900 mg/Kg. The total lead concentration from a sample from boring B-15 was 2.8 mg/Kg.

3.3 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The effectiveness of the QA/QC program is measured by the quality of data generated by the laboratory. Data quality is judged in terms of its Precision, Accuracy, Representativeness, Completeness, and Comparability (PARCC) parameters, as described in the following section.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions, and can be assessed by replicate measurements of duplicate control samples, reference materials, or environmental samples.

The laboratory measured the comparison of precision by calculating the Relative Percent Difference (RPD) between sample matrix spike (MS) and MS duplicate QC samples. The RPD between the two duplicate samples was used to estimate precision, and was calculated as follows:

$$RPD = \frac{|D_1 - D_2|}{(D_1 + D_2)/2} \times 100$$

Where:

RPD = relative percent difference

D₁ = first sample value

D₂ = second sample value (duplicate)

The laboratory calculated MS/MSD RPD are summarized in the QC Summary Report, Appendix C. The calculated RPD range for soil samples and field QC duplicates analyzed for TPH was 0% to 200% and for VOCs 0%. These RPD indicate a level of precision that is most likely a result of soil sample matrix variation.

Accuracy

Accuracy is a determination of how close the measurement is to the true value. Accuracy can be assessed using laboratory control samples (LCS), standard reference materials, or spiked environmental samples. The laboratory monitored accuracy by comparing MS, MSD, LCS, and surrogate spike recovery results with control limits identified in EPA SW846. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports (Appendix C) and discussed in Section 3.3.1.

Representativeness

Representativeness is a qualitative parameter that reflects the extent to which a given sample is characteristic of a given population at a specific location or under a given environmental condition. Representativeness is best satisfied by making certain that sampling locations are selected properly, a sufficient number of samples are collected, and an appropriate sampling technique is employed. Variations at a sampling point were evaluated based on the results of field duplicates.

Sampling locations, number of samples collected, and appropriate sampling techniques were employed as specified in the revised work plan. Variation at sampling points, based on the field duplicate sample results, was observed for soil samples. This appears to be a result of soil sample matrix variation, and does not appear to indicate a poor representativeness of the soil samples.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions. To be considered complete, the data set must contain all analytical results and data specified for the project. In addition, all data were compared to project requirements to ensure that specifications were met. Completeness was evaluated by comparing the project objectives to the quality and quantity of the data collected to determine if any deficiencies exist. Missing data can result from any number of circumstances ranging from sample acquisition and accessibility problems to sample breakage and rejection of analytical data because of quality control deficiencies. Completeness was quantitatively assessed as the percent of controlled QC parameters that are within limits. The minimum requirement for completeness for all QC parameters, except holding times, is 80%. The requirement for holding times is 100%.

The percent completeness for each set of samples was calculated as follows:

$$\text{Completeness} = \frac{\text{valid data obtained}}{\text{total data analyzed}} \times 100\%$$

Valid data is defined as those data points that are not qualified as rejected. No data were rejected, so the percent completeness for all QC parameters is 100%.

Comparability

Comparability expresses the confidence with which one data set can be compared to another data set measuring the same property. To ensure comparability, field procedures were standardized and field operations adhered to procedures outlined in the revised work plan. Laboratory data comparability was assured by use of established and approved analytical methods, consistency in the basis of analysis (wet weight, volume, etc.), and consistency in reporting units (mg/Kg, ug/Kg, etc.).

3.3.1 Data Review and Validation

The QA Manager supervised data quality assessment tasks. Kleinfelder evaluated and documented measurement data to monitor consistency with DQOs, to quantitatively assess data quality, and to identify potential limitations to data use.

Kleinfelder reviewed field and analytical laboratory data generated for this project as described below. Chain of custody documentation met QC requirements. Holding time compliance was met for all samples. QC limits were met for all QC samples, with the exceptions listed in the QC Summary Reports for TPH-extractable in the diesel range.

The exceptions appear to be the result of soil sample heterogeneity, as the laboratory control sample recovery was acceptable. The analytical sample results do not appear to have been influenced by outlier QC sample results. After reviewing the QC data that did not fall within QC limits and the analytical results, the assessment is that the project data quality is acceptable.

4 CONCLUSIONS AND RECOMMENDATIONS

In general, soils contained petroleum hydrocarbons to depths of 2.0 to 3.0 feet in the right-of-way adjacent to all parcels investigated with the exception of the Former Shell/Chevron station (APN 090-075-017). At the Former Shell/Chevron station soil contained petroleum hydrocarbons at depths below 8.0 feet.

The right-of-way adjacent to all other parcels investigated with the exception of Dave's Ski Shop (APN 090-071-029) contained soil impacted with petroleum hydrocarbons to depths of 5.0 feet.

Selected soil samples were also analyzed for total lead. Results indicate that the soils are considered non-hazardous and can be transported and disposed of as petroleum-containing soils at a Class II landfill licensed to accept these soils such as the Norcal Waste System's Ostrom Road Landfill in Wheatland, California or the Allied Waste Inc's. Forward Landfill in Manteca, California. Since the TPH concentration in soils are greater than 600 mg/Kg, these soils cannot be disposed of at the Lockwood Landfill in Mustang, Nevada. Another option for soil disposal is by incineration at the Nevada Thermal, Inc. facility in Mustang, Nevada. Costs for disposal at these facilities are generally \$15/ton at the Ostrom Road Landfill, \$21/ton at the Forward Landfill, and \$50/ton at Nevada Thermal, Inc.

Based on the laboratory results, it is our opinion that right-of-way acquisition of a portion of the Beacon (APN 117-180-012), Dave's Ski Shop (APN 090-071-029) and Kentucky Fried Chicken (APN 090-133-010) properties should be performed by procuring an easement rather than purchase due to the potential for future environmental liability.

TABLES

Table 1 Summary of Soil Analyses
Kings Beach Commercial Core Improvement Project

Site Name	APN	Boring	Depth feet	TPH-Diesel mg/Kg	TPH-Oil mg/Kg	TPH-Purgeable mg/Kg	BTEX vg/Kg	VOCs ug/Kg	Total Lead mg/Kg
Beacon	117-180-012	B-1	1.0	21	99	<4	<20	NA	NA
			4.0	15	56	<4	<20	NA	NA
			9.0	<5	<10	<4	<20	NA	NA
	DUP 1	B-2	1.0	29	200	<4	<20	NA	11
			4.0	<5	<10	<2	<10	NA	NA
		DUP 1	8.0	<5	<10	<1	<5	NA	NA
		DUP 1	9.0	<5	<10	<2	<10	NA	NA
Dave's Ski	090-071-029	B-3	1.0	<5	16	<2	<10	NA	NA
			4.0	<5	<10	<1	<5	NA	NA
			9.0	<5	<10	<2	<10	NA	NA
	DUP 2	B-4	1.0	10	63	<2	<10	NA	NA
			4.0	<5	<10	<2	<10	NA	NA
		DUP 2	8.0	<5	<10	<2	<10	NA	NA
		DUP 2	9.0	<5	<10	<1	<5	NA	NA
Former Shell	090-075-017	B-5	1.0	<5	<10	<1	<5	NA	NA
			5.0	<5	<10	<1	<10	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
	Current Chevron	B-6	2.0	<5	<10	<1	<5	NA	NA
			5.0	<5	<10	<1	<5	NA	NA
		B-6	8.0	<5	<10	340	800 E; 2,790 X	NA	4.7
		B-6	8.0	<5	<10				
Kentucky Fried Chicken	090-133-010/011	B-7	1.0	<5	<10	<1	<5	NA	NA
			6.0	6	<10	<2	<5	NA	NA
			9.0	<5	<10	<2	<5	NA	NA
	B-8	B-8	1.0	8.7	40	<2	<10	NA	NA
			4.0	5	18	<2	<10	NA	NA
		B-8	4.0						
		B-8	4.0						
Subway	090-134-029	B-9	2.0	31	330	<2	<10	NA	6
			4.0	17	140	<2	<10	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
	B-10	B-10	2.0	<5	32	<1	<5	NA	NA
			4.0	120	1,300	<1	5.1 E; 16 X	NA	7.10
		B-10	7.0	<5	34	<1	<5	NA	NA
		B-10	7.0						
Show Place	090-192-031	B-11	1.0	76	590	<2	<10	ND	NA
			4.0	700	4,700	<4	<20	ND	25
			5.0	<5	<10	<2	<10	ND	NA
	DUP 5	DUP 5	9.0	<5	<10	<2	<10	ND	NA
			9.0	<5	<10	<2	<10	ND	NA
		DUP 5	9.0						
		DUP 5	9.0						
Ronning	090-221-014/021	B-12	1.0	26	160	<2	<10	NA	NA
			3.0	200	1,300	<2	<10	NA	NA
		B-12	4.0	36	200	<2	<10	NA	3.2
		B-12	9.0	<5	<10	<1	<5	NA	NA
	B-13	B-13	2.0	270	4,100	<2	<10	NA	3.8
			3.0	<5	<10	<2	<10	NA	NA
		B-13	4.0	<5	<10	<1	<5	NA	NA
		B-13	9.0	<5	<10	<1	<5	NA	NA
Swiss Mart	090-192-041	B-14	1.0	16	130	<4	<20	NA	NA
			3.0	<5	<10	1.5	<5	NA	NA
			9.0	<5	<10	<1	<5	NA	NA
	B-15	B-15	1.0	100	660	<2	11 E; 34 X	NA	NA
			4.0	370	2,900	<4	52 X	NA	2.8
		B-15	9.0	<5	<10	<1	<5	NA	NA
		B-15	9.0						

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, total xylenes

NA = Not Analyzed

ND = Not Detected, detection limit varied from 10vg/Kg to 40vg/Kg

PLATES

APPENDIX A

Permits

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT

TR-0120 (REV 6/200)

Permit No.
0306-NSV0685

In compliance with (Check one):

- Your application of September 6, 2006
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

Dist/Co/Rle/PM
03-PLA-28-9.34/10.68

Date
September 19, 2006

Fee Paid \$ Exempt	Deposit \$ N/A
Performance Bond Amount (1) \$ N/A	Payment Bond Amount (2) \$ N/A
Bond Company	
Bond Number (1)	Bond Number (2)

TO: Placer County Department of Public Works
c/o Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: David Herzog
775-689-7800

Ref No.

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Drill 15 borings having 2-inch Dia, 10 feet deep along the shoulder of State Highway 28 as per attached plans.

The holes need to be filled as per the satisfaction of Caltrans representative.

An approval from USA (Underground Service Alert) is required before digging the holes.

Permittee shall contact State inspector Ron Mills, telephone, (530) 582-8133 Cellular (530) 755-6688, SEVEN (7) working days prior to commencing work, to arrange a pre-job meeting. A 24-hour notification before restarting work shall be strictly adhered to. All work shall be conducted and completed to the satisfaction of Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions
 Yes No Utility Maintenance Provisions
 Yes No Special Provisions TRAFFIC CONTROL
 Yes No A Cal-OSHA permit, if required: Permit No. _____
 Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
 Yes No Storm Water Pollution Protection Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
 Yes No Inspection
 Yes No Field work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before December 1, 2006

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Ron Mills
P.O. Box 579
Truckee, CA 96160
(530) 582-8133 Cellular (530) 755-6688

APPROVED:

JODI JONES, District Director

BY:

BRUCE D. CAPAUL, Chief-Office of Encroachment Permits

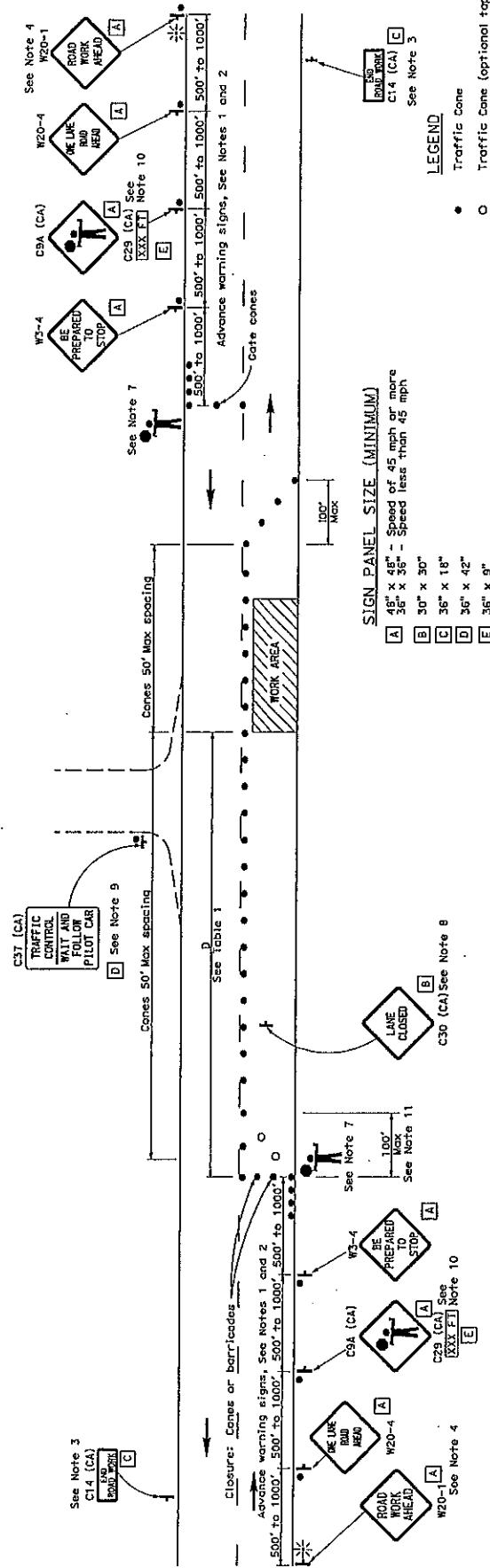
cc: Stan Richins, Maint-Sutter/Sierra Region

ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 653-3657 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

2006 STANDARD PLAN T13

NOTES: In addition to the markings otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background. All cautionary code area designated by [CA] codes are shown. If otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing; and closer in urban areas.
 2. Each advance warning sign in each direction of travel shall be equipped with or least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Matching sections shall be placed at the location of the closure for same closure during hours of darkness.
 3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the time control unless the project's limits are obvious, or ends within a larger project's limits.
 4. If the W20-1 or C11 "ROAD WORK NEXT" sign would follow within 200' of a stationery sign for the first advance warning sign.
 5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
 6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
 7. Additional advance flaggers may be required. Flagger stations may be placed in appropriate places, as visibility allows. After the first vehicle has stopped, during the first few hours after darkness, the flagging station and flagger should be illuminated and clearly visible to approaching traffic. The illumination factor of the lighting on the ground shall be at least 200, in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
 8. Place C20 (CA) "LANE CLOSED" sign at 500' to 1000' intervals along extended work areas. They are optional if the work area is visible from the flagger station.
 9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL - AND FOLLOW PILOT CAR" sign at all intersections within traffic control areas. Signs shall be clean and visible at all times.
 10. An optional C29 (CA) sign may be placed below the CSA (CA) sign.
 11. Traffic cones or barricades may be placed on the optional paper as shown, barricades type I, II, III.

TABLE 1

Approach Speed	Downgrade			
	Minimum D	Maximum D	Minimum D	Maximum D
mph	ft	ft	ft	ft
25 and below	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	685
65	645	662	728	785

NO SCALE

T9

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

STATE OF CALIFORNIA



CONTINUOUS



JANE CLARKE



LANE CONVENTION

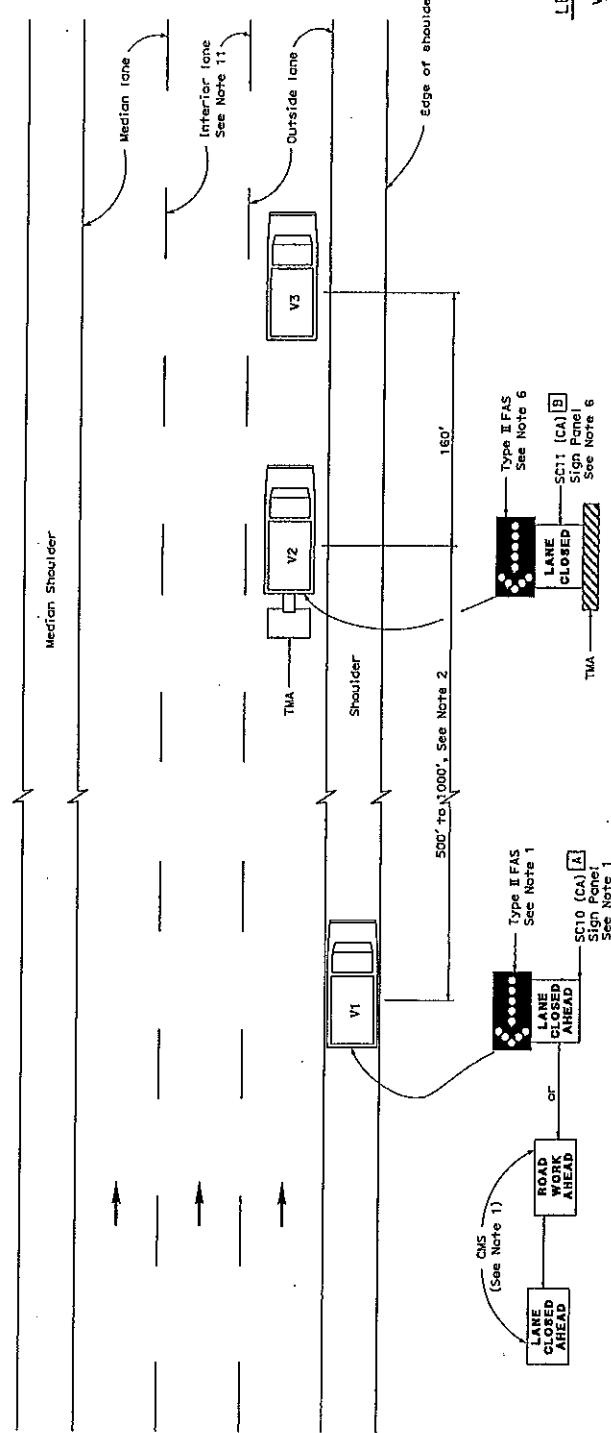


CHIARA



הנצרות בברית החדשה

2006 STANDARD PLAN T15



MOVING LANE CLOSURE ON MEDIAN LANE OR
OUTSIDE LANE OF MULTILANE HIGHWAYS

111

1. Either a changeable message sign or a SC10 (Ca) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (Ca) sign panel. A Type II flashing arrow sign will not be required with the changeable message sign provided the flashing arrow sign symbol is displayed on the changeable message sign board. The changeable message sign shall be sequenced to show "THE ROAD AHEAD" message first, followed by the "LANE CLOSED AHEAD" message and then the flashing arrow sign symbol. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right.

2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.

3. A minimum sight distance of 150' should be provided in advance of sign vehicle V1.

4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distances of 150'.

5. Vehicle-mounted sign panels shall be Type III, Type III or II retroreflective sheeting, black on white, block on orange, or block on fluorescent orange, with 6 minimum series D letters per California sign specifications.

6. Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted cranesetter. The sign panel, sign arm and a type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure, the flashing arrow sign symbol shall be displayed with the arrowhead on the right.

7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application.

8. Where sufficient shoulder width is not available, sign vehicle V1 may approach into the traffic lane staying as close to the edge of shoulder as practicable. Both V1 and V2 shall be equipped with a truck-mounted crane operator. The gross vehicle weight of V1 and V2 shall be 20,000 pounds, respectively.

9. Where workers would be on foot in the work area, a temporary type lane closure Standard Plan T10, T11, etc., (as applicable) shall be used instead of this plan.

10. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

11. For moving lane closure on inferior lane of multilane highways, use Standard Plan T16.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

- AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 1, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
- REVOCAITON:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or撤销 at any time. Permits' joint use agreements, franchise rights, received rights or any other agreements for operating purposes in State highway rights of way are exceptions to this revocation.
- DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
- ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
- ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
- BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the Permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
- STANDARDS OF CONSTRUCTION:** All work performed within a highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans, High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are intended to be read as "Permittee and Record Representative."
- PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
- INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittees shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
- PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
- CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for realignments, (e.g., relocation, alteration, removal, etc.).
- COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waive all claims for indemnification contribution from the State.
- ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
- AS-BUILT PLANS:** When required, permittee shall submit one (1) set of as-built plans, within thirty (30) days after completion and approval of work in compliance with requirements listed as follows:
- Upon completion of the work provided herein, the permittee shall send one celluloid or paper set of As-Built plans, to the State representative. Mylar or paper type plans are not acceptable.
 - All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 - The plans are to be stamped or otherwise noted AS-BUILT BY the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a State stamp or Caltrans representative signature, shall be used for producing the As-Built plans.
 - If As-Built plans include signing or striping, the date of signing or striping removal, relocation, or incision shall be shown on the plans when required as a condition of the permit. When the construction plans show signing and striping for staged/construction on separate streets, the street for each stage shall show the removal, relocation or installation dates of the appropriate staged signing and striping.
 - As-Built plans shall contain the Permit Number, County, Route, Port Miles, and Kilometer Position on each sheet.
 - Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through 6735.6 of the California Business and Professions Code, shall not be included in the As-Built plans. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future permits, or a provision requiring a public agency to supply additional bonding.
- PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. Day and night time lane closures shall comply with the MUTCD and CA Supplement (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care greater than or different from, as required by law.
- MUTCD/CA INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place property marked flag(s) to stop or warn the traveling public in compliance with the MUTCD and CA Supplement (Chapter 65, Flagger Control).
- STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this specific encroachment permit. If Encroachment Permit Special Provisions allow for the storage of equipment or materials within the State right of way, the equipment and material storage shall comply with Standard Specifications, Standard Plans, Special Provisions, and the Highway Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of activity indicated below, firewalls and expressways (in conventional highways (motorways)) in conventional highways (with curbs) - 0.5 m. If a fixed object cannot be eliminated, moved outside the clear recovery zone, or modified to be trade yielding, it should be shielded by a guardrail or a crash cushion.
- CARE OR DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
- RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et seq.).
- RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scrap, debris, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
- FUTURE MOVING OR INSTALLATIONS:** Permittee understands and agrees to relocate any permitted installation upon request by the Department, for: State construction, reconstruction, or maintenance work on the highway. The permittee at his sole expense, unless under a prior agreement, IOA, or a CCUA, shall comply with said request.
- ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
- PREVAILING WAGES:** Work performed by or under a permittee, requires permittee, contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretation relative to enforcement of prevailing wage requirements are directed to the State of California Department of Industrial Relations, 225 Golden Gate Avenue, San Francisco, California 94102.
- RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Directors, shall not be answerable or accountable in any manner for injury or damage of any persons, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability incurred by law and fees incurred for defense of any person, including persons employed by the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property caused by the permittee, or for damage resulting out of the failure on the permittee, agent, or contractor to discharge responsibilities or obligations imposed by contract, agreement, or otherwise during the subsequent time, work or other activity is being performed under the obligations provided by an encroachment utility permit.
- The permittee shall, indemnify, and save harmless, the State of California, all officers, employees, and State employees, including the Deputy Directors, from all claims, demands, and expenses, including but not limited to the Director of Transportation and the Deputy Directors, resulting from or arising out of any damage or other activity, including but not limited to the permittee's failure to perform his obligations under and requirements of the permit, and description brought forward on account of injuries to any person, including, but not limited to the permittee, persons employed by the permittee, persons, acting in behalf of the permittee, persons in the public, or damage to property resulting from the performance of work, or other activity on or at any subsequent time, work or other activity, including but not limited to the Director of Transportation and the Deputy Directors, resulting from or arising out of any damage or other activity, including but not limited to the permittee's failure to comply with the provisions and conditions under a permit permit. The state company is responsible for any latent defects as provided in California Code of Civil Procedure, Section 377.5. Local agency permittees shall comply with requirements established as follows: In recognition that Project conditions, work done of State property, will not be directly funded and paid by State, for the purpose of protecting state noise claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond

In the local agency's name, with both bonds complying with the requirements set forth in Section 34-32 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction, or maintenance claims by contractors and all stop notice on merchant's lien, claims. The local agency agrees to remedy, in a timely manner, and to State's satisfaction, any latent defects occurring as a result of the project construction work.

25. **FUTURE MOVING OR INSTALLATIONS:** Permittee understands and agrees to relocate any permitted installation upon request by the Department, for: State construction, reconstruction, or maintenance work on the highway. The permittee at his sole expense, unless under a prior agreement, IOA, or a CCUA, shall comply with said request.
26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
27. **PREVAILING WAGES:** Work performed by or under a permittee, requires permittee, contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretation relative to enforcement of prevailing wage requirements are directed to the State of California Department of Industrial Relations, 225 Golden Gate Avenue, San Francisco, California 94102.
28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Directors, shall not be answerable or accountable in any manner for injury or damage of any persons, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability incurred by law and fees incurred for defense of any person, including persons employed by the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property caused by the permittee, or for damage resulting out of the failure on the permittee, agent, or contractor to discharge responsibilities or obligations imposed by contract, agreement, or otherwise during the subsequent time, work or other activity is being performed under the obligations provided by an encroachment utility permit.
- The permittee shall, indemnify, and save harmless, the State of California, all officers, employees, and State employees, including the Deputy Directors, from all claims, demands, and expenses, including but not limited to the Director of Transportation and the Deputy Directors, resulting from or arising out of any damage or other activity, including but not limited to the permittee's failure to perform his obligations under and requirements of the permit, and description brought forward on account of injuries to any person, including, but not limited to the permittee, persons employed by the permittee, persons, acting in behalf of the permittee, persons in the public, or damage to property resulting from the performance of work, or other activity on or at any subsequent time, work or other activity, including but not limited to the Director of Transportation and the Deputy Directors, resulting from or arising out of any damage or other activity, including but not limited to the permittee's failure to comply with the provisions and conditions under a permit permit. The state company is responsible for any latent defects as provided in California Code of Civil Procedure, Section 377.5. Local agency permittees shall comply with requirements established as follows: In recognition that Project conditions, work done of State property, will not be directly funded and paid by State, for the purpose of protecting state noise claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond

The duty of the permittee to indemnify, and hold harmless, the State to defend as set forth in Section 2778 of the Civil Code. The duties to defend as set forth in Section 2778 of the Civil Code. The

Receipt #: NA (Entered - Departmental)
Amt \$490.00
Check # NA
By: SR
Date: 07/06/06

TO BE FILLED OUT BY
ENVIRONMENTAL HEALTH DEPT

Placer County
Department of Health and Human Services
Environmental Health Services
11454 B Ave., Auburn CA 95603 (530) 745-2300
Tahoe Office: P O Box 1909, Tahoe City CA 96145 (530) 581-6240

1. SR # 34014
 2. SR # _____
 3. SR # _____
 4. SR # _____
 5. SR # _____
 6. SR # _____
- TO BE FILLED OUT BY ENV. HLTH. DEPT.

UST/SOLID WASTE PROGRAMS
Permit Application for:
WELL CONSTRUCTION/DESTRUCTION

*****WELL DESIGNATIONS AS SHOWN ON PLOT PLAN*****

1. Well ID B-1 - B-15	2. Well ID	3. Well ID
4. Well ID	5. Well ID	6. Well ID

Project Name KINGS BEACH SIDEWALK	Project Address HIGHWAY 28	Location KINGS BEACH, CA 96143
Well Owner (project owner) STATE OF CALIFORNIA	Well Owner Address P.O. Box 911 MANVILLE CA	Telephone 530-741-4403
Consultant's Name DAVID HEDGES 1/2 KLEINER	Consultant's Address 4835 LONGLEY LANE	Telephone 775-639-7800
Consultant's Registration CEC 1295		Permit # 89502

If the well is to be located on ADJOINING OR NEARBY PROPERTY owned by another person, you must have that off-site property owner complete the acknowledgement below or attach copies of access agreements.

ACKNOWLEDGEMENT OF OFF-SITE PROPERTY OWNER

I have read this application form and I approve of the construction of this proposed well!

See Attached

Well Site Address

Property Owners Name and Address

Telephone

Property Owners Signature

Date

SUBMITTED SIGNATURE MUST BE ORIGINAL

Please indicate type of well:

- | | |
|---|---|
| <input type="checkbox"/> Groundwater Monitoring | <input checked="" type="checkbox"/> Exploratory Boring /Hydropunch/Geoprobe (indicate number) _____ |
| <input type="checkbox"/> Water Extraction | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Vapor Extraction | <input type="checkbox"/> Well Destruction |
| <input type="checkbox"/> Gas Probe | <input type="checkbox"/> Vadose/Lysimeter |

PURPOSE OF WELL (if not explained in Workplan) _____

Construction Specifications:

Well Specifications and site plan attached

Well Specifications and site plan included in workplan dated 9/5/06
Prepared by KLEINER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT
TR-0120 (REV 6/200)

In compliance with (Check one):

- Your application of September 6, 2006
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

Permit No. 0306-NSV0685	
Dist/Co/Rte/PM 03-PLA-28-9.34/10.68	
Date September 10, 2006	
Fee Paid \$ Exempt	Deposit \$ N/A
Performance Bond Amount (1) \$ N/A	Payment Bond Amount (2) \$ N/A
Bond Company	
Bond Number (1)	Bond Number (2)

TO: **Placer County Department of Public Works**
c/o Kleinfelder, Inc.
4835 Longley Lane
Reno, NV 89502
Attn: David Herzog
775-689-7800

Ref No.

, PERMITTER

and subject to the following, PERMISSION IS HEREBY GRANTED to:
Drill 15 borings having 2-inch Dia, 10 feet deep along the shoulder of State Highway 28 as per attached plans.
The holes need to be filled as per the satisfaction of Caltrans representative.
An approval from USA (Underground Service Alert) is required before digging the holes.

Permittee shall contact State Inspector Ron Mills, telephone, (530) 682-8133 Cellular (530) 755-6688, SEVEN (7) working days prior to commencing work, to arrange a pre-job meeting. A 24-hour notification before restarting work shall be strictly adhered to. All work shall be conducted and completed to the satisfaction of Caltrans representative. Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this Permit.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions
 Yes No Utility Maintenance Provisions
 Yes No Special Provisions **TRAFFIC CONTROL**
 Yes No A Cal-OSHA permit, if required: Permit No. _____
 Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
 Yes No Storm Water Pollution Protection Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
 Yes No Inspection
 Yes No Field work

(If any Caltrans effort expanded)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit

December 1, 2006

This permit is void unless the work is completed before _____

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained

Ron Mills
P.O. Box 579
Truckee, CA 96160
(530) 682-8133 Cellular (530) 755-6688

APPROVED:

JODY JONES, District Director

BY:

BRUCE D. CAPAUL, Chief-Office of Encroachment Permits

cc: Stan Richins, Maint-Sutter/Sierra Region

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 653-3867 or TDD (916) 454-3880
ADA Notice or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

FM 01 1425

Page 1



**OFFICE OF THE
Placer County Health & Human Services
ENVIRONMENTAL HEALTH
SERVICES**
**11454 "B" Avenue, Auburn, CA 95603
(530) 745-2300, FAX (530) 886-3344**

WELL DRILLER'S AUTHORIZATION LETTER

Site Address: HIGHWAY 28
 City, Zip: KINGS BEACH, CA 96143
 Well Driller: Western Strata Exploration Inc.
 Driller's Address: P.O. Box 657
 City, Zip: Clarksburg, Ca. 95612
 Driller's Phone #: 916-744-1440
 C.S7 License #: 57-552198 Expiration Date: _____

Cancelled 09/25/06.
 See Well Driller's
 Authorization letter
 from the substitute
 driller, Environmental
 Control Associates
 (ECA), Inc.

For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings, I hereby designate the following entity(ies) to act as my authorized representatives:

Name(s): DAVID HERZOG
 Company: KLEINFIELDER
 Address: 4835 LONGLEY LANE
 City, Zip: RENO, NV 89522

I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that, upon written notification to the Division of Environmental Health, I may rescind this authorization:

Signature of Licensed Well Driller: Gordon Jensen
 Printed Name: Gordon Jensen
 Date: 9/5/06

DRILLING CONTRACTOR
INFORMATION AND CERTIFICATIONProject Name: KINGS BEACH SIDEWALKSC-57 License No. 57-532198Phone # (916) 744-1440Driller [initials] Drilling Company Name: Western State Contractors
09/25/06
Contractor [initials] Drilling Company Address: P.O. Box 657 Colfax, CA

A. NOTICE TO DRILLING CONTRACTOR: The Environmental Health Division shall be notified at least 48 hours in advance of drilling to schedule the REQUIRED inspections.

B. DRILLING CONTRACTOR'S WORKERS COMPENSATION DECLARATION
(ONE of the following three boxes must be completed)

- A. A certified copy of Worker's Compensation Insurance is hereby furnished.
- B. A current effective certificate is filed with Placer County Building Department or Environmental Health Division.
- C. I certify that in performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the California Worker's Compensation Act.
- C. If well is located in or may otherwise obstruct public right-of-way, an encroachment permit is required.

I HAVE READ AND UNDERSTAND THE FOREGOING STATEMENTS (A, B & C) AND CERTIFY THAT ALL RELEVANT ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH THESE STATEMENTS AND APPLICABLE CODES AND REGULATIONS. I HAVE SHOWN ALL EASEMENTS ON THE PROPERTY.

Well Drilling Contractor Signature John Reid Date 9/5/06

FOR OFFICIAL USE ONLY
Below this point RWQCB Concurrence Received

This permit is issued subject to the following conditions. If these conditions are not satisfied, this approval/permit is null and void.

1. Monitoring wells shall be destroyed as required by the Environmental Health Division or R.W.Q.C.B.
2. Monitoring wells shall be capped and locked at all times except during sampling.
3. This permit expires one (1) year after date of issuance, but may be renewed for a fee if application is made PRIOR to expiration date.
4. All wells shall be constructed/destroyed pursuant to the standards set forth in the State of California Water Well Standards, Bulletin 74-90.

When signed by Placer County Environmental Health Division authorized representative, the application constitutes a PERMIT TO CONSTRUCT the subject well as herein specified:

John Reid, REHS

Permit Issued by:

09/25/06

Date

Seal Inspection Date: 09/25/06 09/26/06Comments: 09/25/06 Soil

boring S-1 to S-10 and S-12 were advanced, sampled and sealed. 09/26/06 Soil
borings S-11 and S-13 to S-15 were advanced, sampled and sealed. Ongoing to finalize
this permit. John Reid, REHS 09/26/06

UNIVERSITY OF CALIFORNIA PLACER COUNTY ENVIRONMENTAL HEALTH DIVISION



OFFICE OF THE
Placer County Health & Human Services
ENVIRONMENTAL HEALTH
SERVICES

11454 "B" Avenue, Auburn, CA 95603
(530) 745-2300, FAX (530) 886-3344

WELL DRILLER'S AUTHORIZATION LETTER

Site Address: Kings Beach Sidewalk project, North Lake Boulevard (Highway 28)

City, Zip: Kings Beach 96143

Well Driller: ECA, Inc.

Driller's Address: 605 West Lake Blvd. #3 (P.O. Box 52)

City, Zip: Tahoe City 96145

Driller's Phone #: (530) 581-6240

C-57 License #: 695970 Expiration Date: 9/30/08

For the sole purpose of procuring permits for the construction, modification, repair, or destruction of wells or soil borings. I hereby designate the following entity(ies) to act as my authorized representatives:

Name(s): David Hazzard

Company: Klomfelder Inc.

Address: 4835 Langley Lane

City, Zip: Reno, NV 89502

I understand that, as the applicant for permit for activities regulated under Subchapter 8 of the Placer County Code, I am responsible for compliance with all provisions of the Chapter. I further understand that, upon written notification to the Division of Environmental Health, I may rescind this authorization:

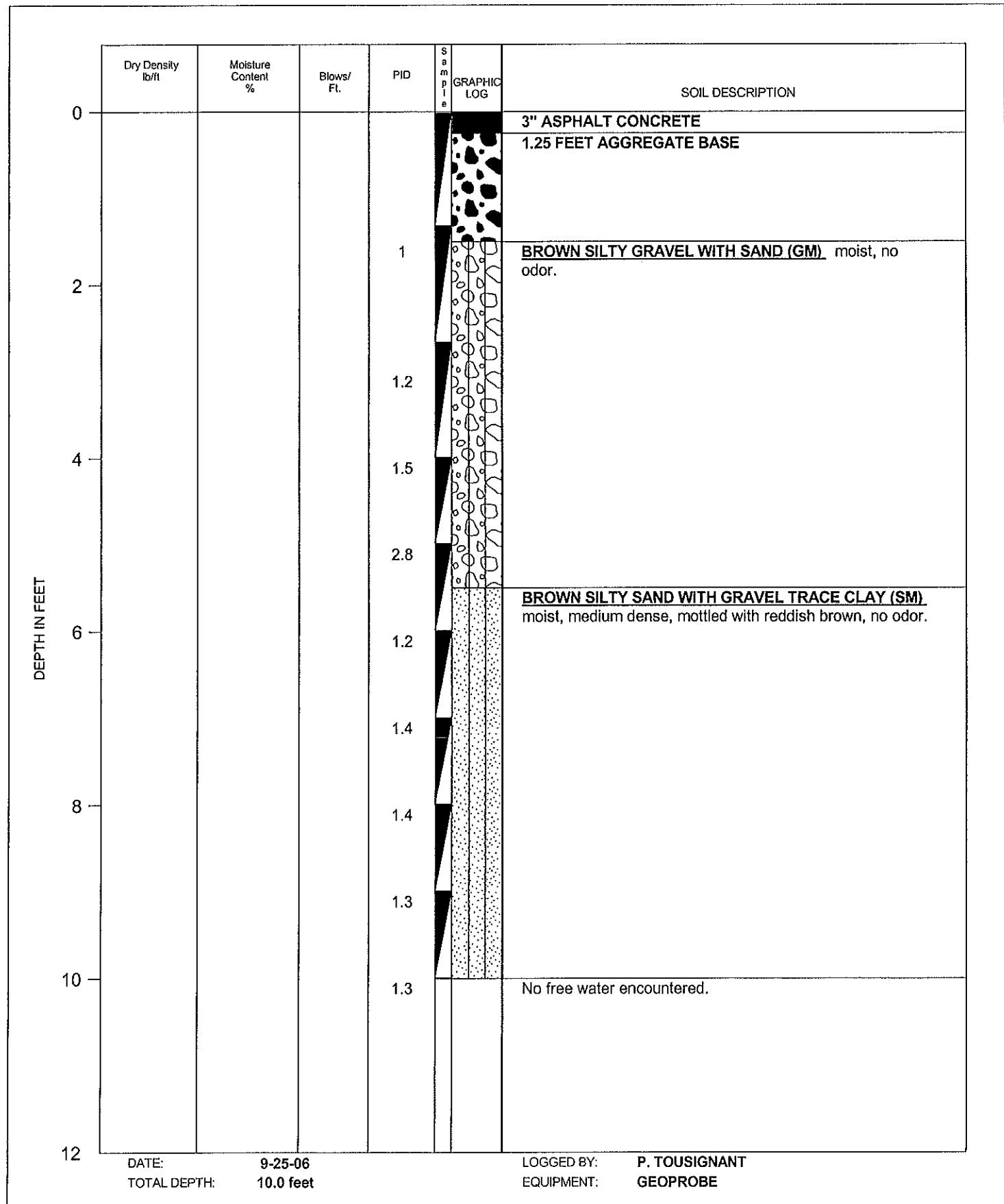
Signature of Licensed Well Driller: [Signature]

Printed Name: Tim Taylor - FOR ECA

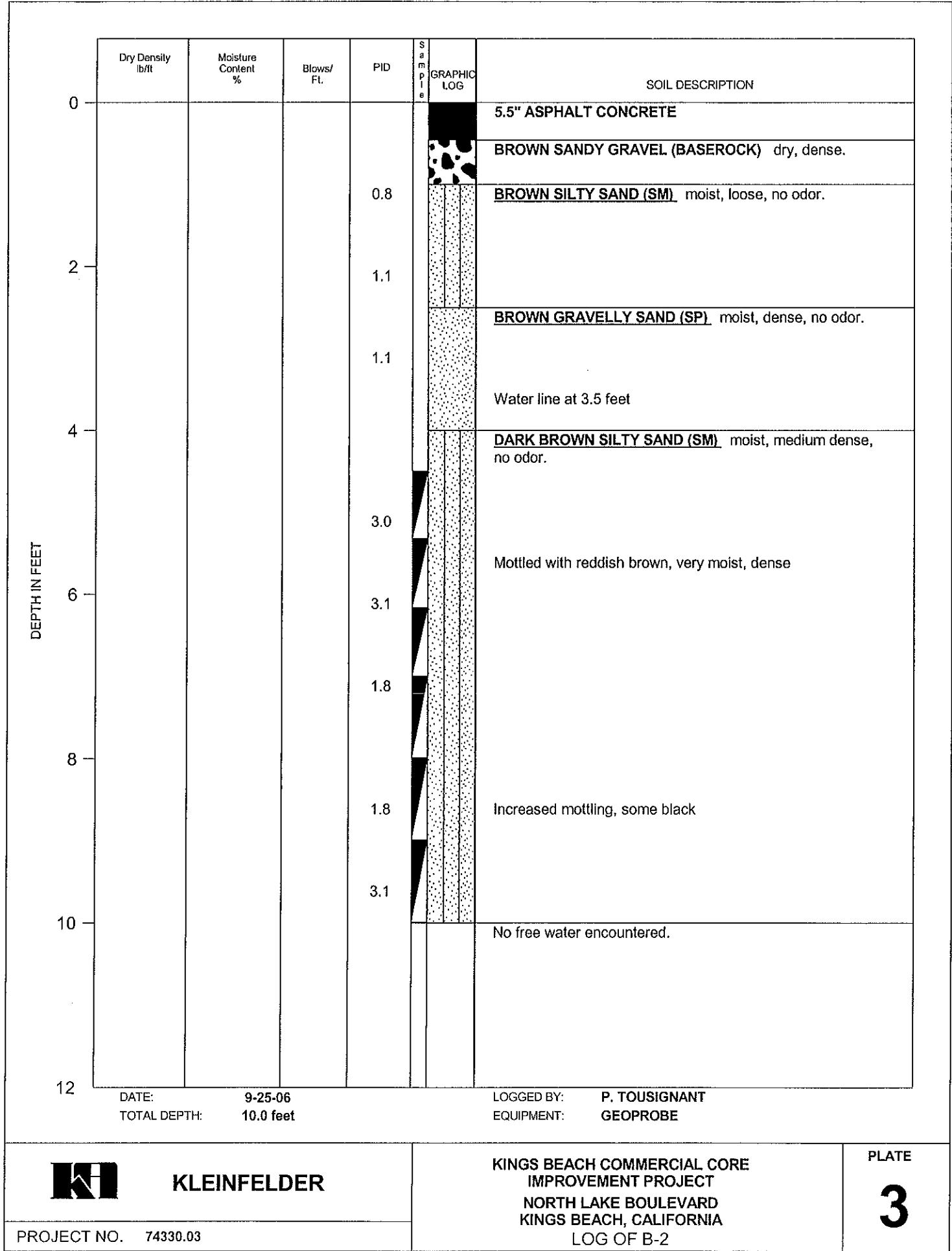
Date: 07/27/05

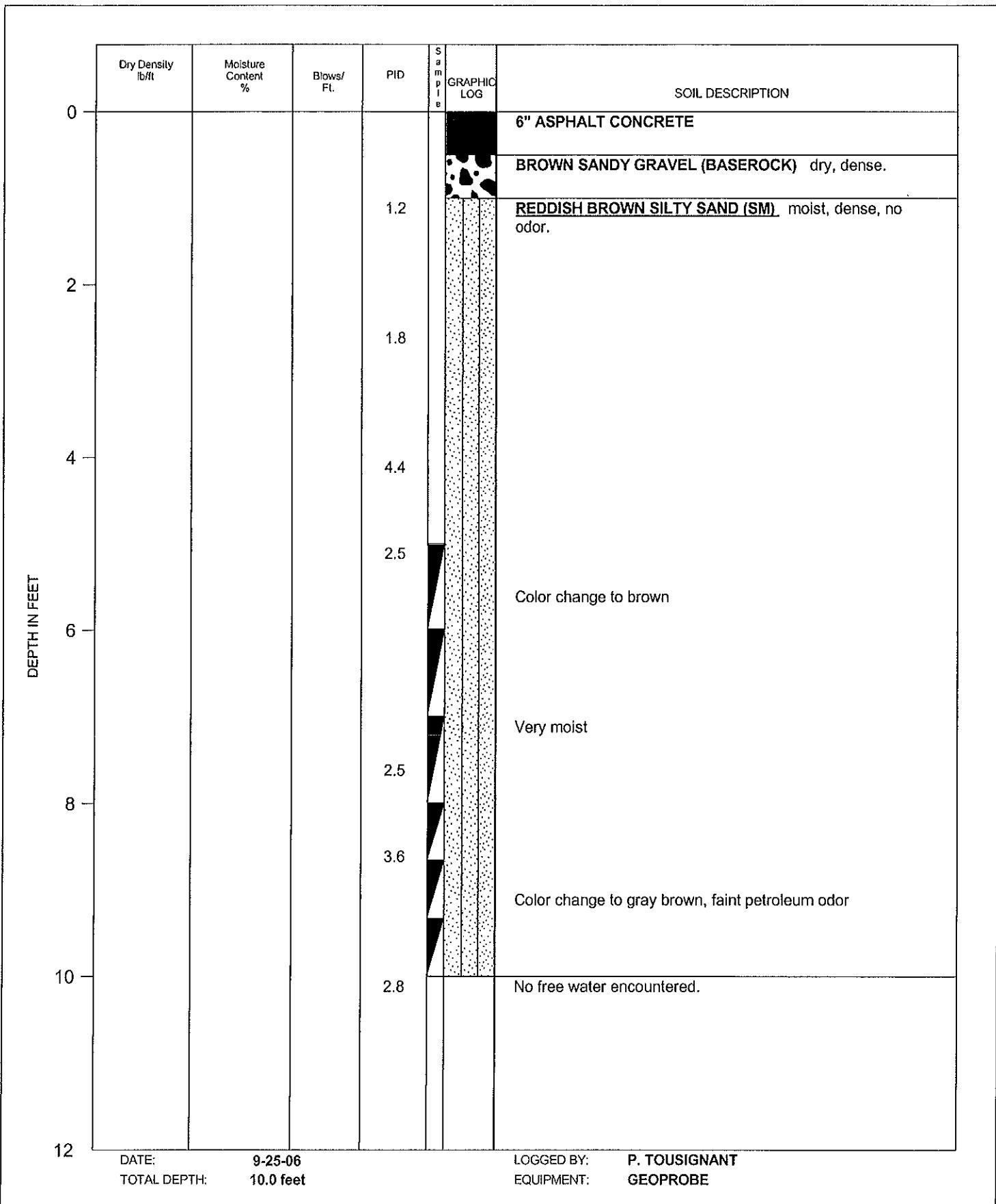
APPENDIX B

Boring Logs



K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-1	PLATE 2
PROJECT NO. 74330.03		



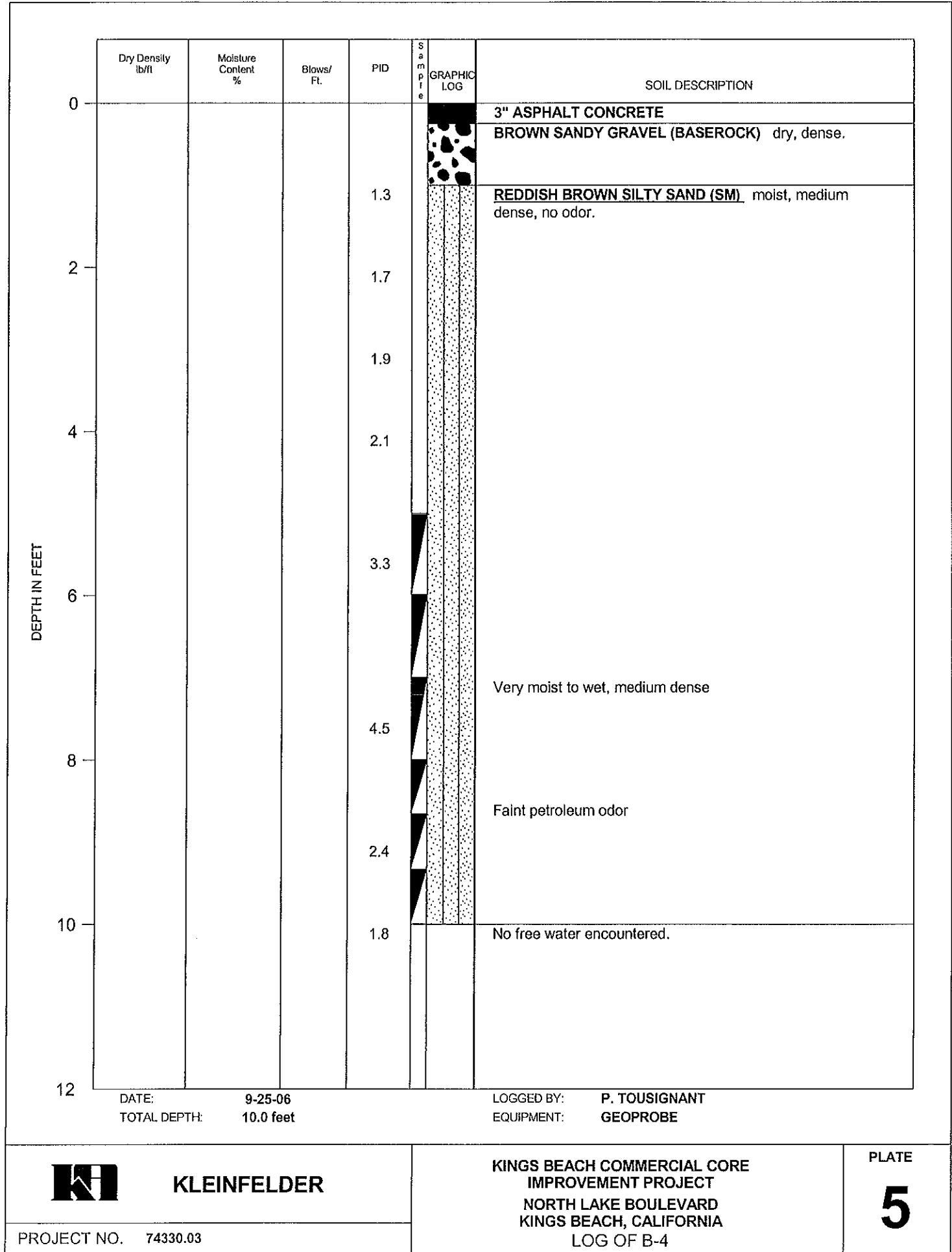


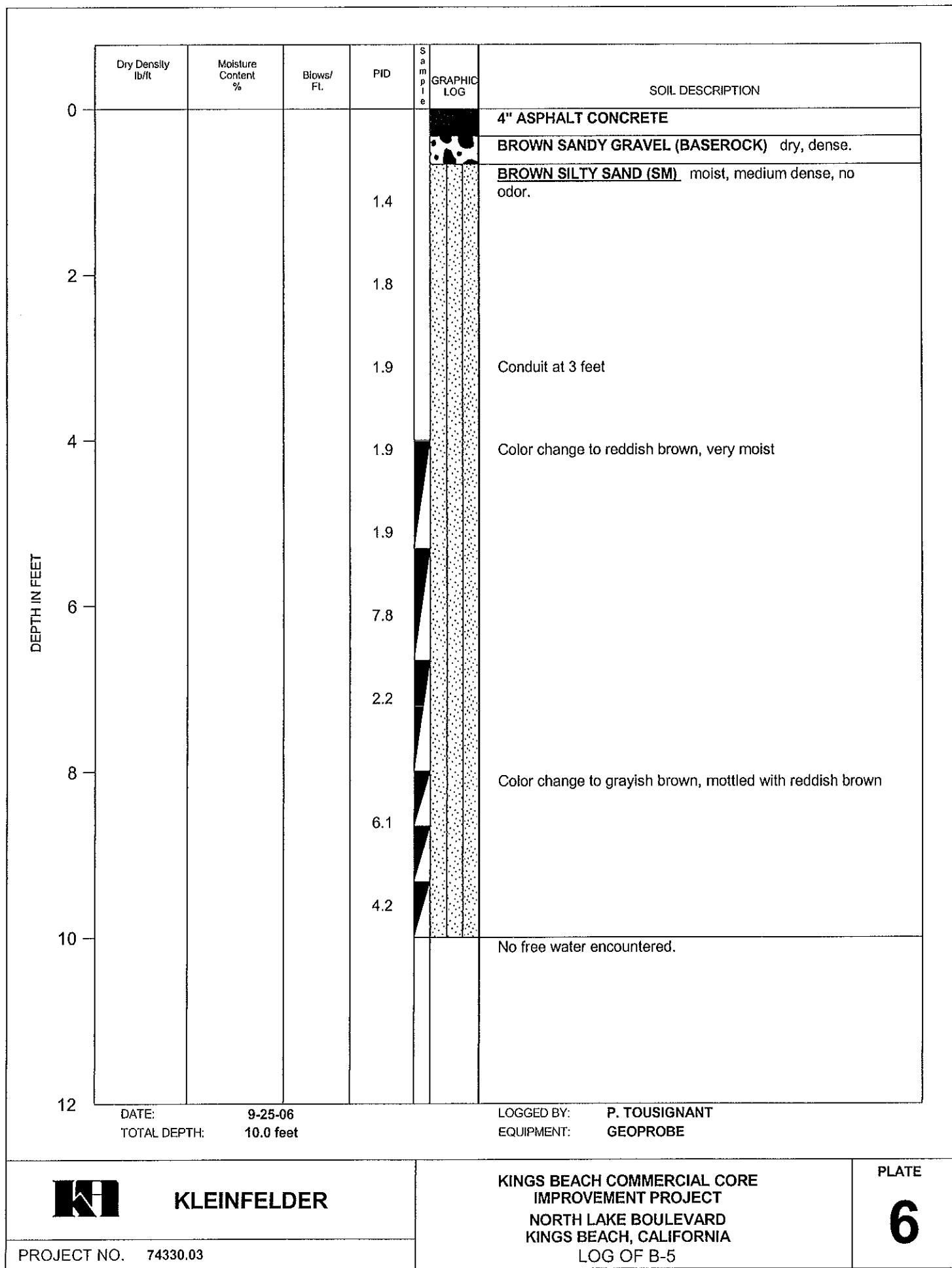
KLEINFELDER

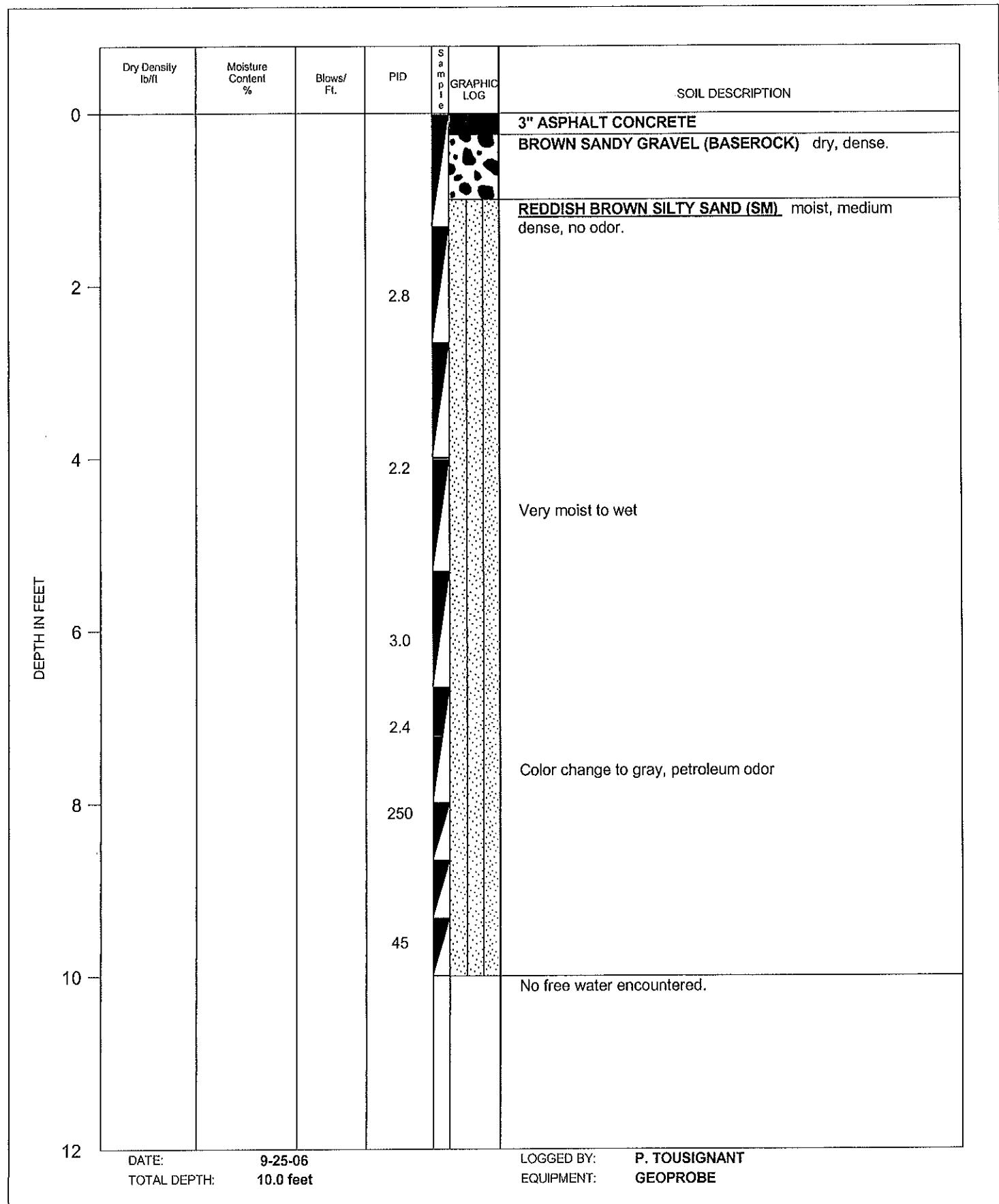
PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-3

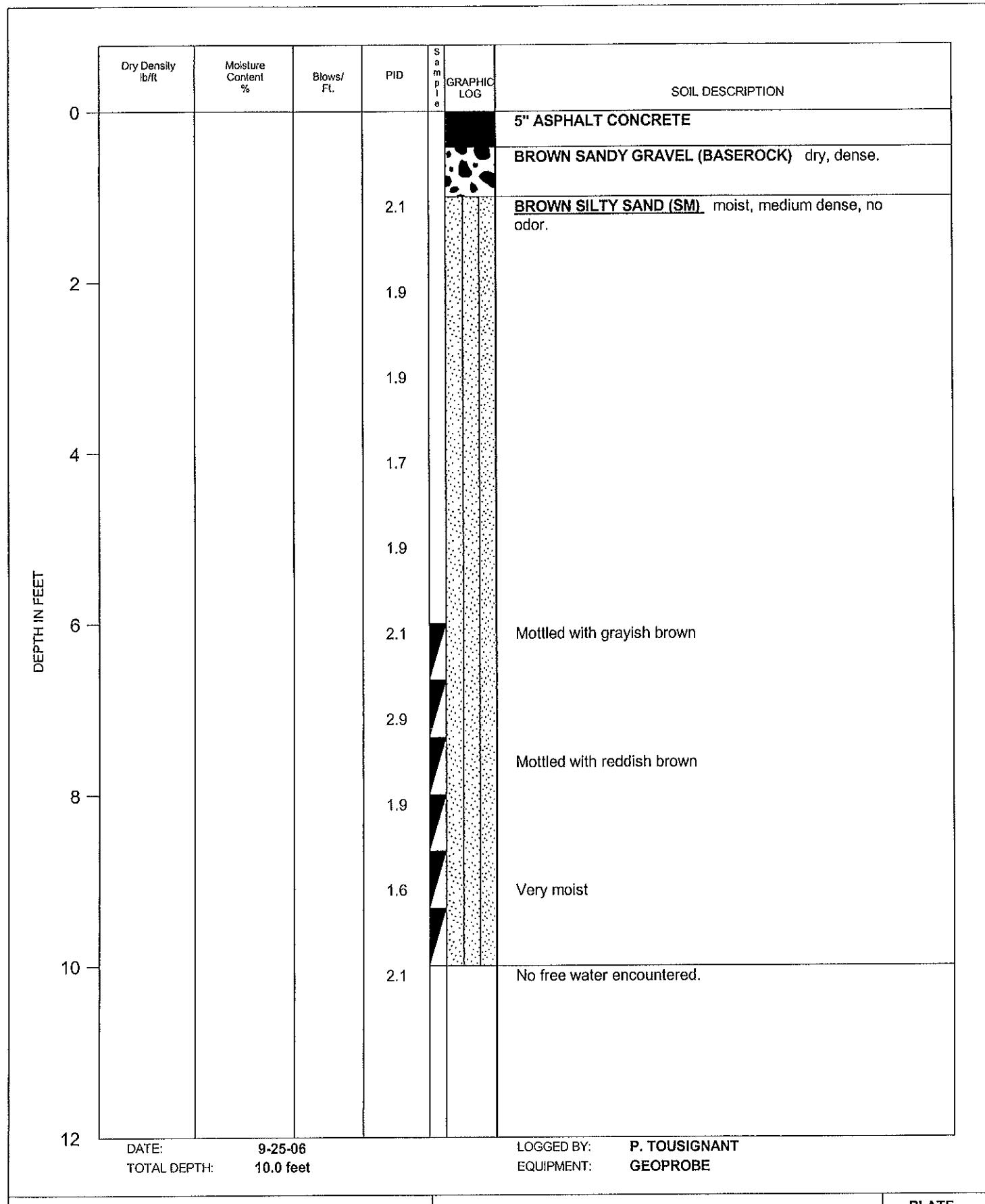
PLATE
4



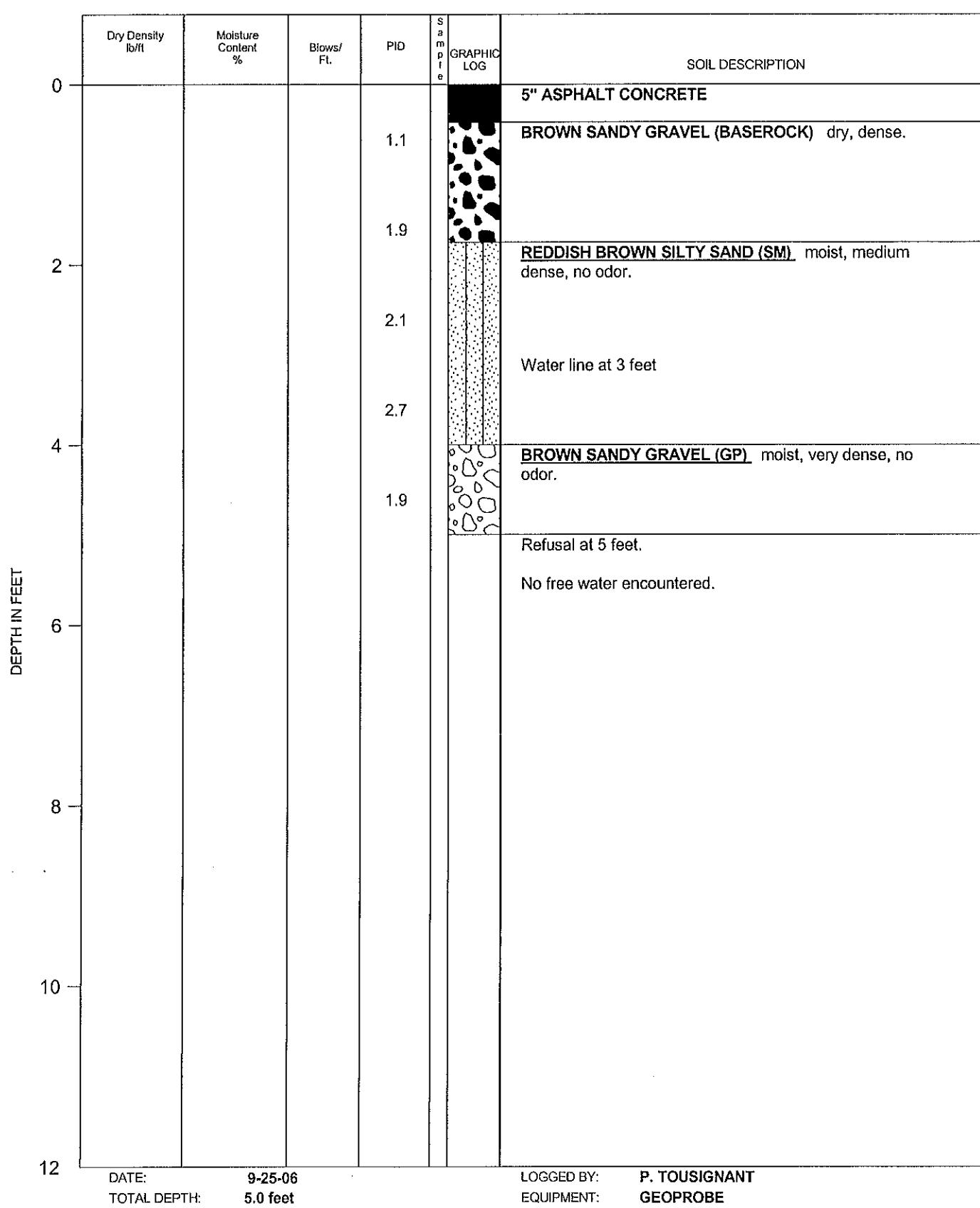




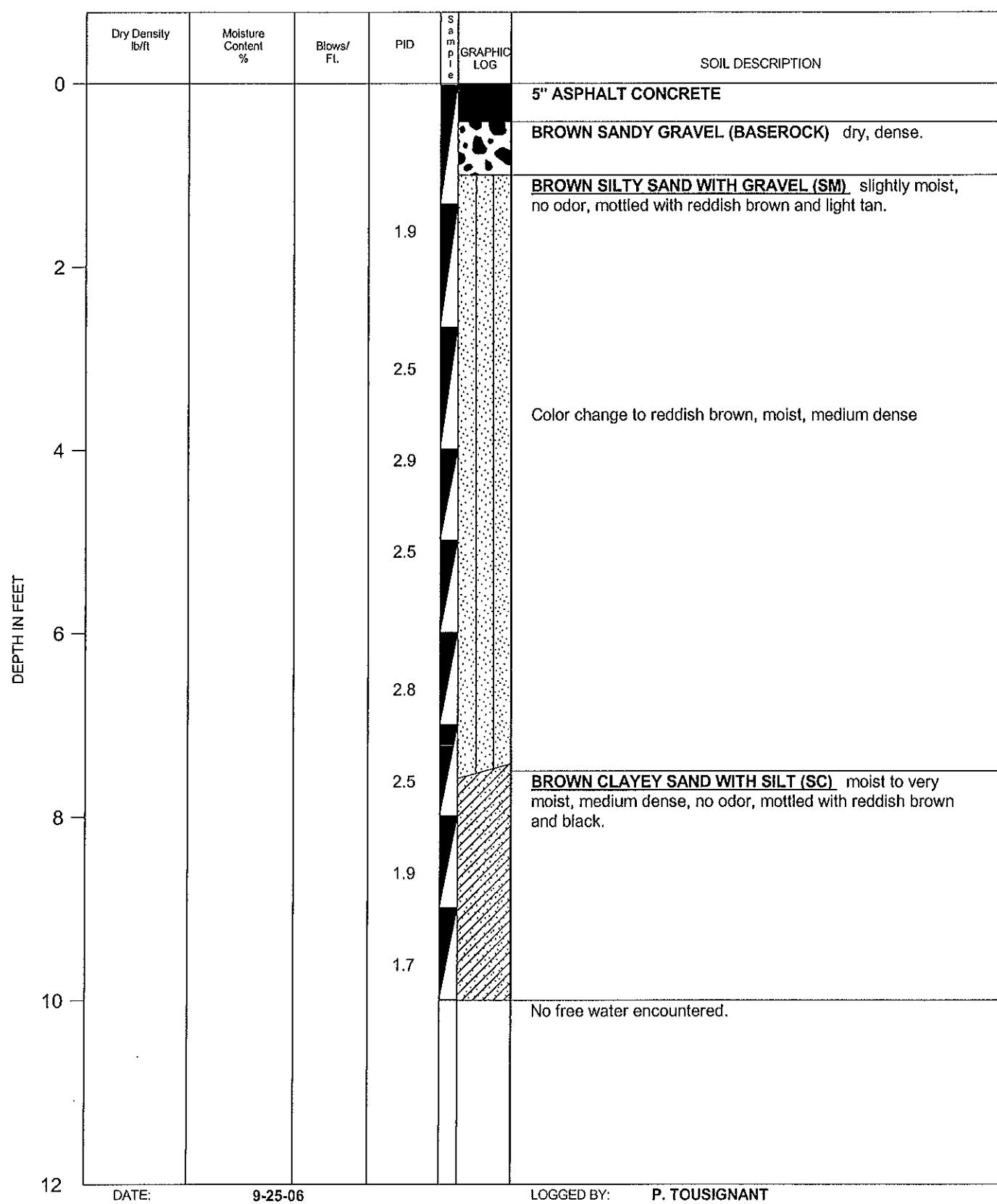
K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-6	PLATE 7
PROJECT NO. 74330.03		



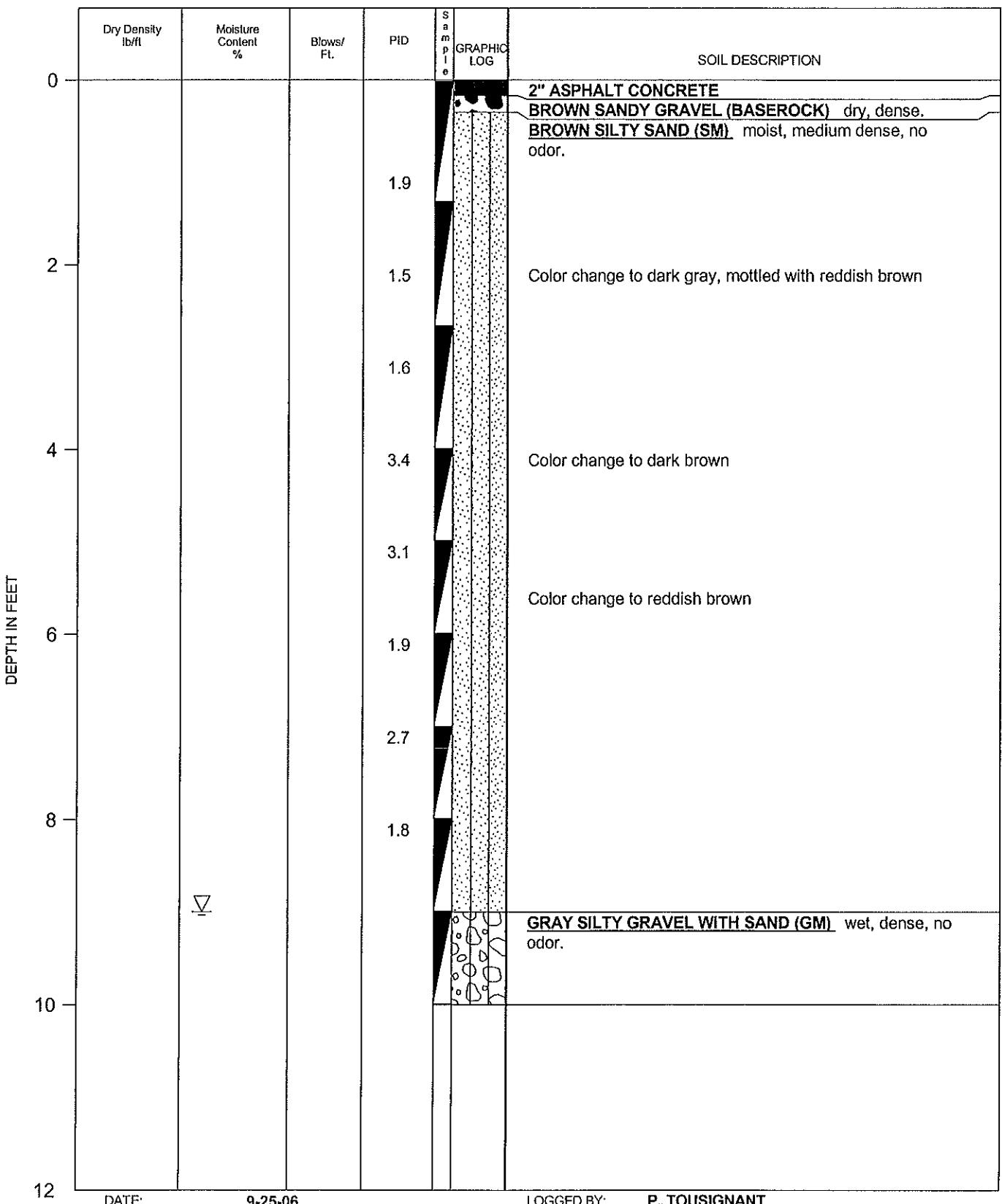
K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-7	PLATE 8
PROJECT NO. 74330.03		



 KLEINFELDER PROJECT NO. 74330.03	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-8	PLATE
		9



K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-9	PLATE 10
PROJECT NO. 74330.03		



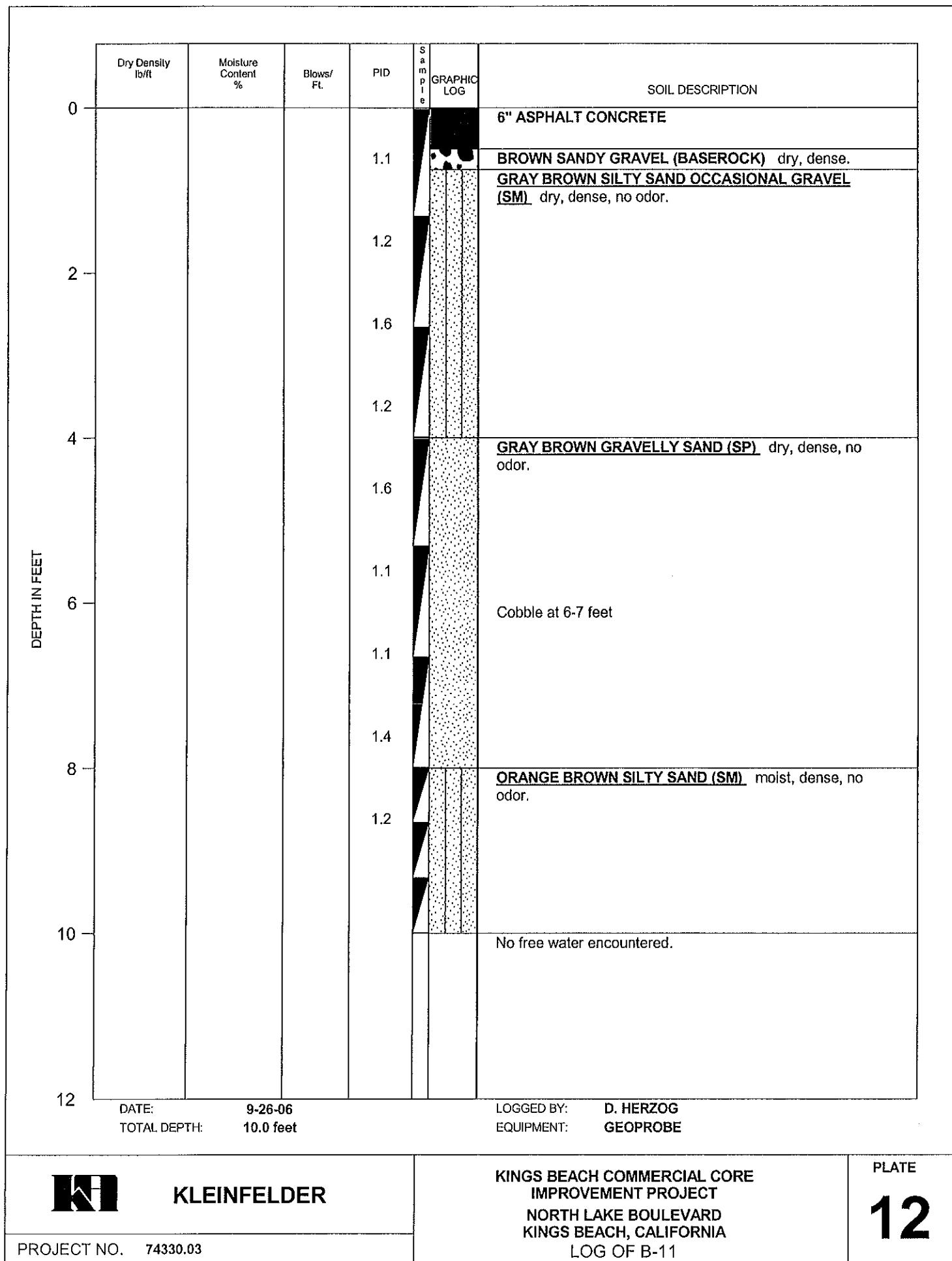
1

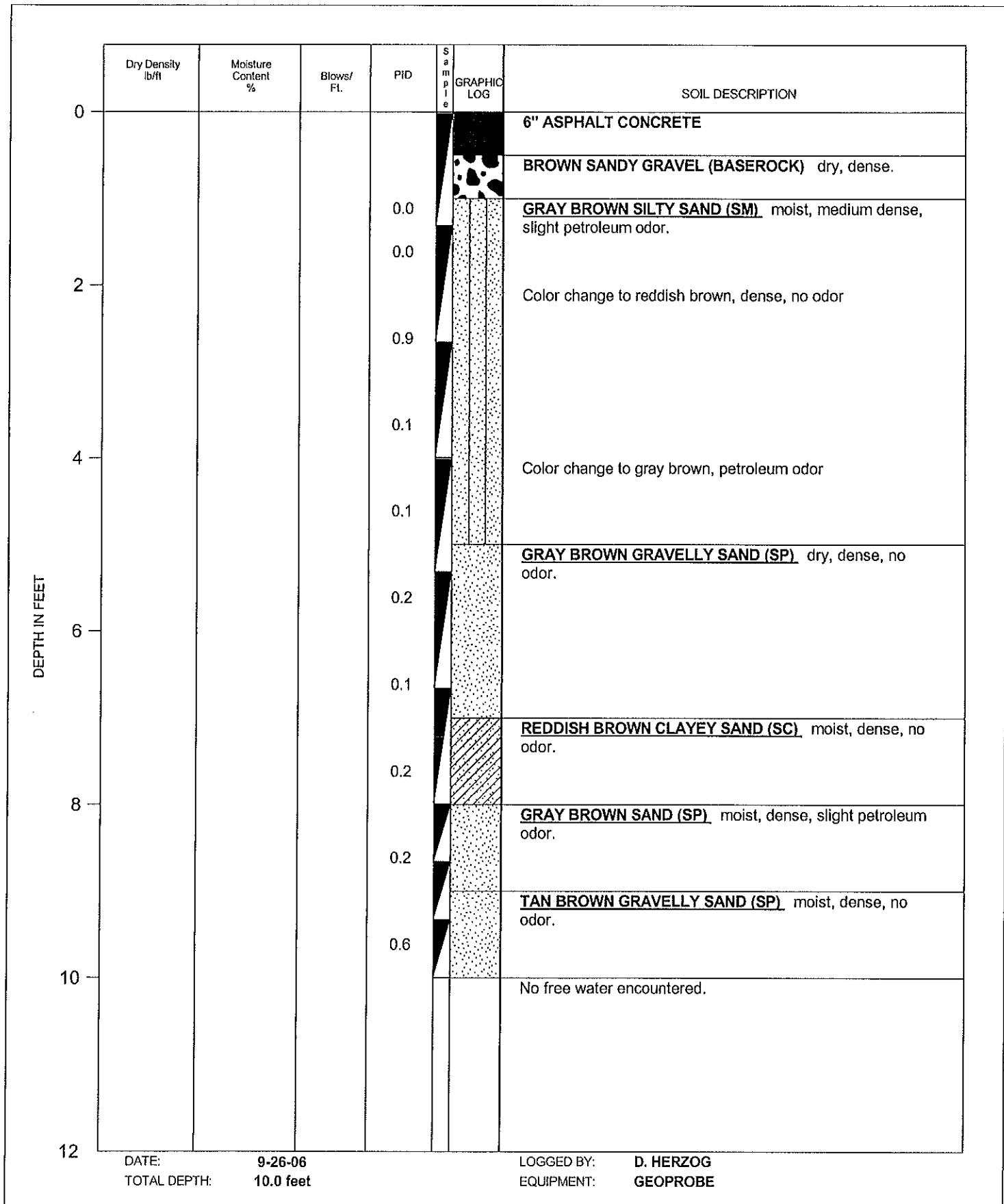
KLEINFELDER

**KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-10**

**PLATE
11**

PROJECT NO. 74330.03



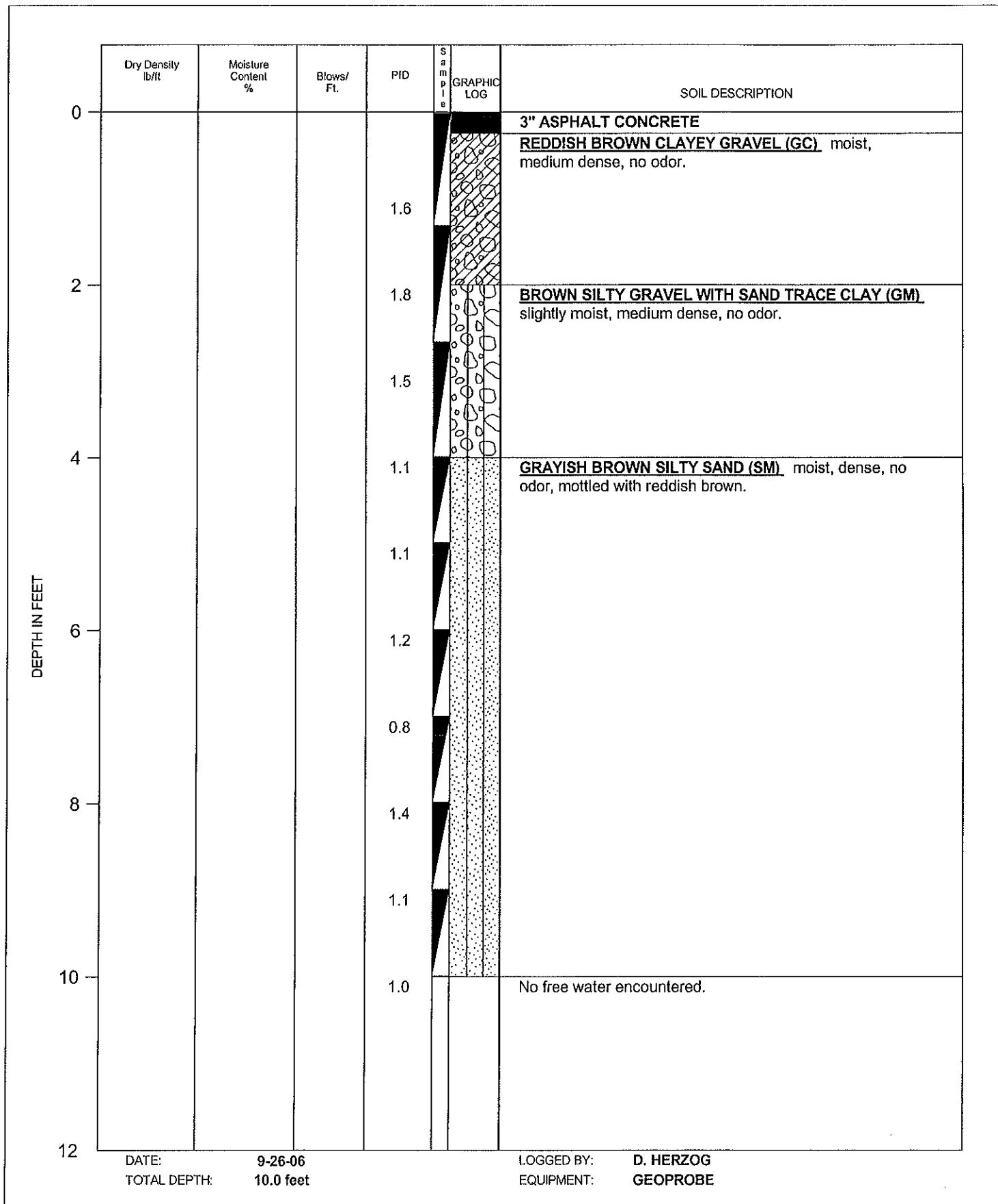


KLEINFELDER

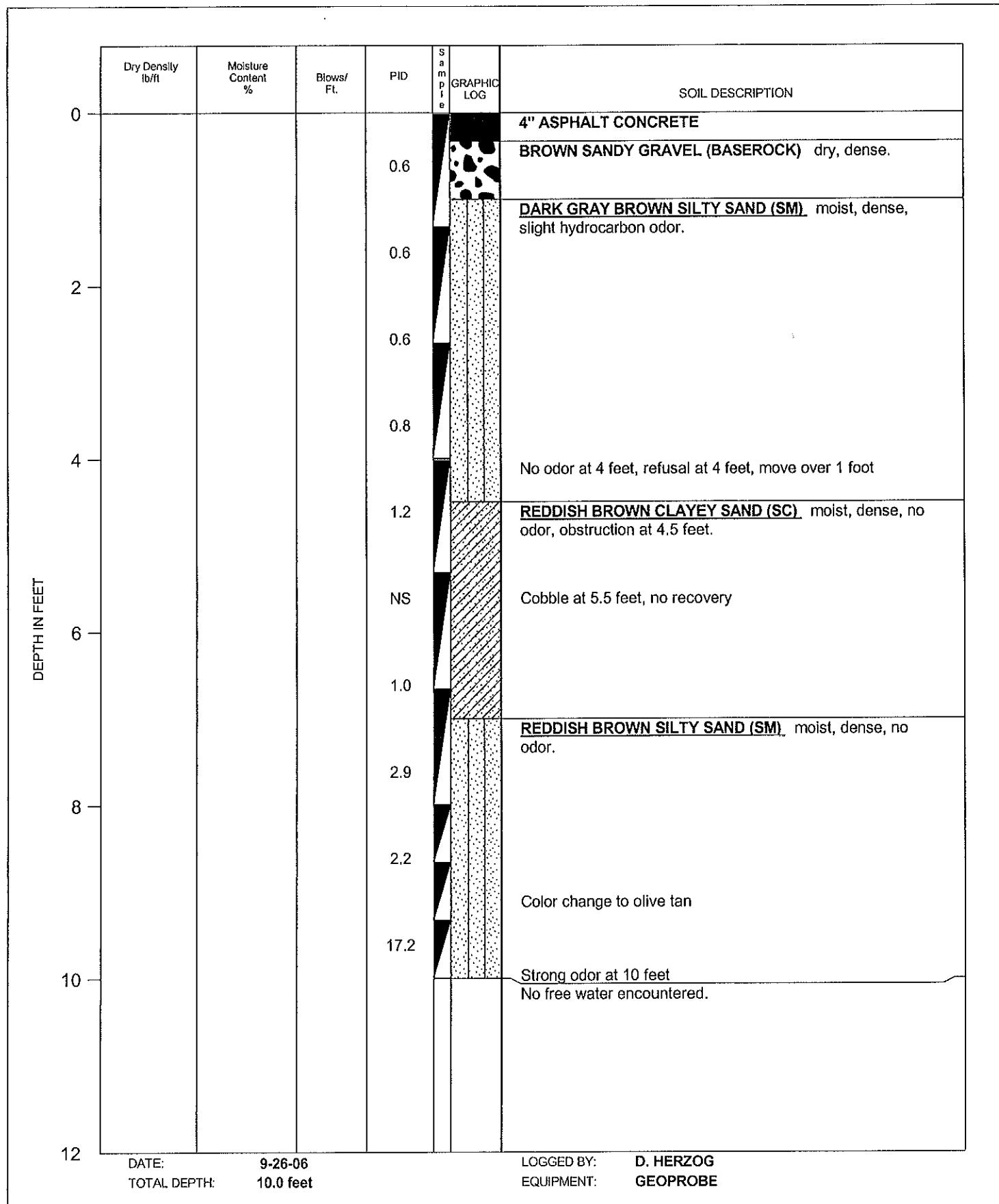
PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-12

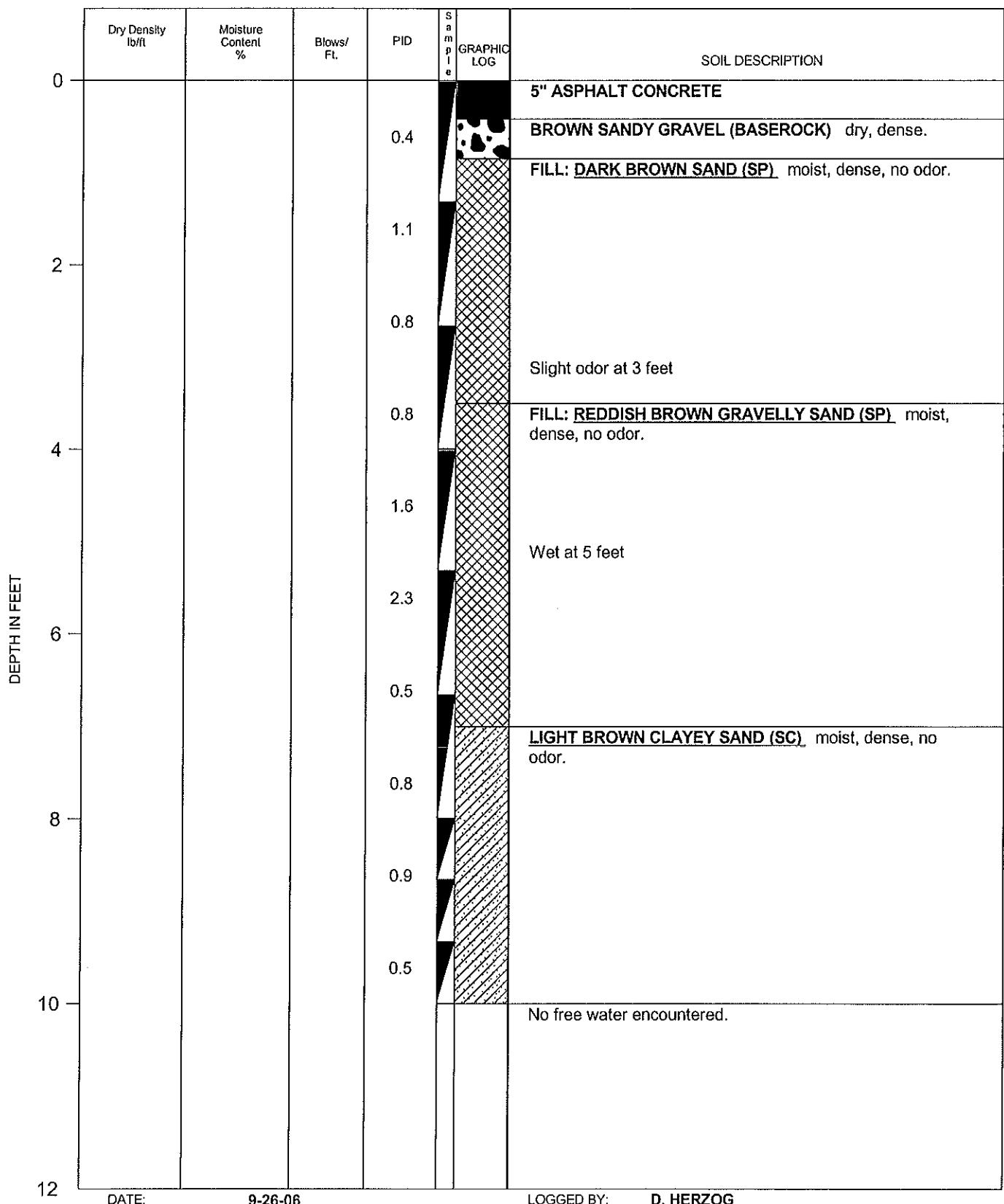
PLATE
13



K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-13	PLATE 14
PROJECT NO. 74330.03		



K KLEINFELDER	KINGS BEACH COMMERCIAL CORE IMPROVEMENT PROJECT NORTH LAKE BOULEVARD KINGS BEACH, CALIFORNIA LOG OF B-14	PLATE 15
PROJECT NO. 74330.03		



DATE: 9-26-06
TOTAL DEPTH: 10.0 feet

LOGGED BY: D. HERZOG
EQUIPMENT: GEOPROBE



KLEINFELDER

PROJECT NO. 74330.03

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA
LOG OF B-15

PLATE
16

THE UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOLS		TYPICAL NAMES	
COARSE GRAINED SOIL More than 50% of the material is LARGER than the No. 200 sieve.	GRAVELS More than 50% of coarse part is LARGER than the No. 4 Sieve.	CLEAN GRAVELS Less than 5% finer than No. 200 Sieve.	PI<4	GW	Well graded gravels, gravel - sand mixtures, little or no fines, Cu>4 & 1>Cc>3	
			PI>7	GP	Poorly graded gravels or gravel - sand mixtures, little or no fines Cu<4 or 1>Cc<3	
		GRAVEL More than 12% finer than No. 200 Sieve.		GM	Silty gravels, gravel - sand - silt mixtures	
				GC	Clayey gravels, gravel - sand - clay mixtures	
		CLEAN SANDS Less than 5% finer than No. 200 Sieve.		SW	Well graded sands, gravelly sands, little or no or no fines, Cu>6 & 1>Cc>3	
	SANDS More than 50% of coarse part is SMALLER than the No. 4 Sieve.			SP	Poorly graded sands or gravelly sands, little or no fines Cu<6 or 1>Cc<3	
		SAND More than 12% finer than No. 200 Sieve.	PI<4	SM	Silty sands, sand - silt mixtures	
			PI>7	SC	Clayey sands, sand - clay mixtures	
				ML	Inorganic silts, rock flour, or clayey silts of low plasticity	
		SILTS AND CLAYS Liquid limit LESS than 50	PI-Above A-Line	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
FINE GRAINED SOIL More than 50% of the material is SMALLER than the No. 200 sieve.	SILTS AND CLAYS Liquid limit GREATER than 50		OL		Organic silts & organic clays of low plasticity	
			PI-Below A-Line	MH	Inorganic silts, clayey silts, or silts of high plasticity	
			PI-Above A-Line	CH	Inorganic clays of high plasticity, fat clays	
				OH	Organic clays of medium to high plasticity, organic silts	
		HIGHLY ORGANIC SOILS		PT	Peat & other highly organic soils	

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

BOULDERS	COBBLES	GRAVEL		SAND			SILT	CLAY
		Coarse	Fine	Coarse	Medium	Fine		
12"	3"	3/4"	#4	#10	#40	#200	0.002 mm	

DESCRIPTIVE TERMS USED WITH SOILS

CONSISTENCY & APPARENT DENSITY		
	SILTS & CLAYS	SANDS & GRAVELS
Strongest	Hard	Very Dense
	Very Stiff	Dense
	Stiff	Medium Dense
	Medium Stiff	Loose
	Soft	Very Loose
Weakest	Very Soft	

MOISTURE CONTENT		
Wettest	Wet	
	Very Moist	
	Moist	
Driest	Slightly Moist	
	Dry	
▽ - Water Level Observed During Exploration		
▽ - Water Level Observed After Exploration		

©2006, by Kleinfelder, Inc.



KLEINFELDER

4835 LONGLEY LANE
RENO, NEVADA 89502
Tel. (775) 689-7800

PROJECT NO. 74330.03

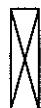
KEY TO SOIL CLASSIFICATION AND TERMS

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA

PLATE

17

SYMBOLS



Disturbed Bag or Bulk Sample



Standard Penetration Sample
(1.4 inch I.D., 2.0 inch O.D.)



Modified California (Porter) Sample
(2.0 inch I.D., 2.56 inch O.D.)

*

No Sample Recovery



Water Level Observed During Drilling



Water Level Observed After Drilling

COMMENTS

NOTE: Blow count represents the number of blows required to drive a sampler through the last 12 inches of an 18 inch penetration. A standard 140 pound hammer with a 30.4 inch free fall is used to drive the sampler.

NOTE: The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings.

©2006, by Kleinfelder, Inc.



KLEINFELDER

4835 LONGLEY LANE
RENO, NEVADA 89502
Tel. (775) 689-7800

PROJECT NO. 74330.03

KEY TO BORING LOGS

KINGS BEACH COMMERCIAL CORE
IMPROVEMENT PROJECT
NORTH LAKE BOULEVARD
KINGS BEACH, CALIFORNIA

PLATE

18

APPENDIX C

Laboratory Reports



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810
Date Received : 09/27/06

Job#: 74330.02

Metals by ICPMS EPA Method SW6020 / SW6020A

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	B-2 1-2ft.					
Lab ID :	KLF06092756-04A	Lead (Pb)	11	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-6 8-9ft.					
Lab ID :	KLF06092756-18A	Lead (Pb)	4.7	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-9 2-3ft.					
Lab ID :	KLF06092756-24A	Lead (Pb)	6.0	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-10 4-5ft.					
Lab ID :	KLF06092756-28A	Lead (Pb)	7.1	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-13 2-3ft.					
Lab ID :	KLF06092756-30A	Lead (Pb)	3.8	1.0 mg/Kg	09/25/06	10/23/06
Client ID :	B-11 4-5ft.					
Lab ID :	KLF06092756-37A	Lead (Pb)	2.5	1.0 mg/Kg	09/26/06	10/23/06
Client ID :	B-12 4-5ft.					
Lab ID :	KLF06092756-41A	Lead (Pb)	3.2	1.0 mg/Kg	09/26/06	10/23/06
Client ID :	B-15 4-5ft.					
Lab ID :	KLF06092756-47A	Lead (Pb)	2.8	1.0 mg/Kg	09/26/06	10/23/06

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

10/26/06

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810
Date Received : 09/27/06

Job#: 74330.02

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

Volatile Organic Compounds (VOCs) EPA Method SW8260B

Client ID :	Lab ID :	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
B1 1-2ft.	KLF06092756-01A	TPH-E (Diesel)	21	*	5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	99	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
B-1 4-5ft.	KLF06092756-02A	TPH-E (Diesel)	15	*	5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	56	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
B-1 9-10ft.	KLF06092756-03A	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
B-2 1-2ft.	KLF06092756-04A	TPH-E (Diesel)	29	*	5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	200	+	50 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	20 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	20 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	20 µg/Kg	09/25/06	09/28/06
B-2 4-5ft.	KLF06092756-05A	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
		TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/28/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	B-2 9-10ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-06A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 1-2ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-07A	TPH-E (Oil)	16 +	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 4-5ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-08A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/28/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/28/06
Client ID :	B-3 9-10ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-09A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-4 1-2ft.	TPH-E (Diesel)	10 *	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-10A	TPH-E (Oil)	63 +	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/28/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/28/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/28/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/28/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/28/06
Client ID :	B-4 4-5ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-11A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-4 8-9ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-12A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	B-5 1-2ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-13A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-5 5-6ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-14A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-5 9-10ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-15A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 2-4ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-16A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 5-6ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-17A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
Client ID :	B-6 8-9ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-18A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	340	25 mg/Kg	09/25/06	09/30/06
		Benzene	ND V	130 µg/Kg	09/25/06	09/30/06
		Toluene	ND V	130 µg/Kg	09/25/06	09/30/06
		Ethylbenzene	800	130 µg/Kg	09/25/06	09/30/06
		m,p-Xylene	2,600	130 µg/Kg	09/25/06	09/30/06
		o-Xylene	190	130 µg/Kg	09/25/06	09/30/06
Client ID :	B-7 1-2ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-19A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	B-7 6-7ft.	TPH-E (Diesel)	6.0	C	5.0 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-20A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-7 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-21A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-8 1-2ft.	TPH-E (Diesel)	8.7	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-22A	TPH-E (Oil)	40	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-8 4-5ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-23A	TPH-E (Oil)	18	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 2-3ft.	TPH-E (Diesel)	31	*	25 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-24A	TPH-E (Oil)	330	+	50 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 4-5ft.	TPH-E (Diesel)	17	*	5.0 mg/Kg	09/25/06	09/28/06
Lab ID :	KLF06092756-25A	TPH-E (Oil)	140	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	O	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	O	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	O	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-9 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/25/06	10/04/06
Lab ID :	KLF06092756-26A	TPH-E (Oil)	ND		10 mg/Kg	09/25/06	10/04/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Toluene	ND		5.0 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND		5.0 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND		5.0 µg/Kg	09/25/06	09/29/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	B-10 2-3ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06	
Lab ID :	KLF06092756-27A	TPH-E (Oil)	32	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06	
Client ID :	B-10 4-5ft.	TPH-E (Diesel)	120	*	50 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-28A	TPH-E (Oil)	1,300	+	100 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Ethylbenzene	5.1	5.0 µg/Kg	09/25/06	09/29/06	
		m,p-Xylene	16	5.0 µg/Kg	09/25/06	09/29/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06	
Client ID :	B-10 7-9ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06	
Lab ID :	KLF06092756-29A	TPH-E (Oil)	34	+	10 mg/Kg	09/25/06	09/28/06
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/29/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/29/06	
Client ID :	B-13 2-3ft.	TPH-E (Diesel)	270	*	500 mg/Kg	09/25/06	09/29/06
Lab ID :	KLF06092756-30A	TPH-E (Oil)	4,100	+	1,000 mg/Kg	09/25/06	09/29/06
		TPH-P (Purgeable)	ND	0	2.0 mg/Kg	09/25/06	09/29/06
		Benzene	ND	0	10 µg/Kg	09/25/06	09/29/06
		Toluene	ND	0	10 µg/Kg	09/25/06	09/29/06
		Ethylbenzene	ND	0	10 µg/Kg	09/25/06	09/29/06
		m,p-Xylene	ND	0	10 µg/Kg	09/25/06	09/29/06
		o-Xylene	ND	0	10 µg/Kg	09/25/06	09/29/06
Client ID :	B-13 4-5ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06	
Lab ID :	KLF06092756-31A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06	
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/30/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
Client ID :	B-13 9-10ft.	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06	
Lab ID :	KLF06092756-32A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06	
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/30/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
Client ID :	DUP1	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/28/06	
Lab ID :	KLF06092756-33A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/28/06	
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/30/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	DUP2	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06	
Lab ID :	KLF06092756-34A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06	
		TPH-P (Purgeable)	ND	1.0 mg/Kg	09/25/06	09/30/06	
		Benzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Toluene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		Ethylbenzene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		m,p-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
		o-Xylene	ND	5.0 µg/Kg	09/25/06	09/30/06	
Client ID :	DUP3	TPH-E (Diesel)	ND	5.0 mg/Kg	09/25/06	09/29/06	
Lab ID :	KLF06092756-35A	TPH-E (Oil)	ND	10 mg/Kg	09/25/06	09/29/06	
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/25/06	09/30/06	
		Benzene	ND O	10 µg/Kg	09/25/06	09/30/06	
		Toluene	ND O	10 µg/Kg	09/25/06	09/30/06	
		Ethylbenzene	ND O	10 µg/Kg	09/25/06	09/30/06	
		m,p-Xylene	ND O	10 µg/Kg	09/25/06	09/30/06	
		o-Xylene	ND O	10 µg/Kg	09/25/06	09/30/06	
Client ID :	B-11 1-2ft.	TPH-E (Diesel)	76	*	50 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-36A	TPH-E (Oil)	590	+	100 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O	2.0 mg/Kg	09/26/06	09/30/06	
Client ID :	B-11 4-5ft.	TPH-E (Diesel)	700	*	500 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-37A	TPH-E (Oil)	4,700	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O	4.0 mg/Kg	09/26/06	09/30/06	
Client ID :	B-11 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-38A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O		2.0 mg/Kg	09/26/06	09/30/06
Client ID :	DUP5	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-39A	TPH-E (Oil)	14	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O		2.0 mg/Kg	09/26/06	09/30/06
Client ID :	B-12 1-2ft.	TPH-E (Diesel)	26	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-40A	TPH-E (Oil)	160	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O		2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND O		10 µg/Kg	09/26/06	09/30/06
		Toluene	ND O		10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND O		10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND O		10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND O		10 µg/Kg	09/26/06	09/30/06
Client ID :	B-12 4-5ft.	TPH-E (Diesel)	36	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-41A	TPH-E (Oil)	200	+	50 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND O		2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND O		10 µg/Kg	09/26/06	09/30/06
		Toluene	ND O		10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND O		10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND O		10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND O		10 µg/Kg	09/26/06	09/30/06
Client ID :	B-12 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-42A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	B-14 1-2ft.	TPH-E (Diesel)	16	*	5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-43A	TPH-E (Oil)	130	+	10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
Client ID :	B-14 3-4ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-44A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	1.5		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	B-14 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-45A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 1-2ft.	TPH-E (Diesel)	100	*	50 mg/Kg	09/26/06	10/03/06
Lab ID :	KLF06092756-46A	TPH-E (Oil)	660	+	100 mg/Kg	09/26/06	10/03/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	11		10 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	34		10 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 4-5ft.	TPH-E (Diesel)	370	*	100 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-47A	TPH-E (Oil)	2,900	+	1,000 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND	O	4.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Toluene	ND	O	20 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND	O	20 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	52		20 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND	O	20 µg/Kg	09/26/06	09/30/06
Client ID :	B-15 9-10ft.	TPH-E (Diesel)	ND		5.0 mg/Kg	09/26/06	09/29/06
Lab ID :	KLF06092756-48A	TPH-E (Oil)	ND		10 mg/Kg	09/26/06	09/29/06
		TPH-P (Purgeable)	ND		1.0 mg/Kg	09/26/06	09/30/06
		Benzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Toluene	ND		5.0 µg/Kg	09/26/06	09/30/06
		Ethylbenzene	ND		5.0 µg/Kg	09/26/06	09/30/06
		m,p-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
		o-Xylene	ND		5.0 µg/Kg	09/26/06	09/30/06
Client ID :	DUP4	TPH-E (Diesel)	200	*	20 mg/Kg	09/27/06	09/29/06
Lab ID :	KLF06092756-49A	TPH-E (Oil)	1,300	+	200 mg/Kg	09/27/06	09/29/06
		TPH-P (Purgeable)	ND	O	2.0 mg/Kg	09/27/06	09/30/06
		Benzene	ND	O	10 µg/Kg	09/27/06	09/30/06
		Toluene	ND	O	10 µg/Kg	09/27/06	09/30/06
		Ethylbenzene	ND	O	10 µg/Kg	09/27/06	09/30/06
		m,p-Xylene	ND	O	10 µg/Kg	09/27/06	09/30/06
		o-Xylene	ND	O	10 µg/Kg	09/27/06	09/30/06



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

*Note: Reported diesel concentration may include some undifferentiated heavier-end hydrocarbons.

+Note: Compounds outside the range of diesel have varying amounts of recovery.

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

RS
10/5/06
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-36A
Client I.D. Number: B-11 1-2ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	40 µg/Kg	28 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	80 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com


10/5/06
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-37A
Client I.D. Number: B-11 4-5ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	80 µg/Kg	26 Ethylbenzene	ND	20 µg/Kg
2 Vinyl chloride	ND	40 µg/Kg	27 m,p-Xylene	ND	20 µg/Kg
3 Chloroethane	ND	40 µg/Kg	28 Bromoform	ND	40 µg/Kg
4 Bromomethane	ND	160 µg/Kg	29 o-Xylene	ND	20 µg/Kg
5 Trichlorofluoromethane	ND	40 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	40 µg/Kg
6 1,1-Dichloroethene	ND	40 µg/Kg	31 1,3-Dichlorobenzene	ND	40 µg/Kg
7 Dichloromethane	ND	160 µg/Kg	32 1,4-Dichlorobenzene	ND	40 µg/Kg
8 Trans-1,2-Dichloroethene	ND	40 µg/Kg	33 1,2-Dichlorobenzene	ND	40 µg/Kg
9 1,1-Dichloroethane	ND	40 µg/Kg			
10 cis-1,2-Dichloroethene	ND	40 µg/Kg			
11 Chloroform	ND	40 µg/Kg			
12 1,2-Dichloroethane	ND	40 µg/Kg			
13 1,1,1-Trichloroethane	ND	40 µg/Kg			
14 Carbon tetrachloride	ND	40 µg/Kg			
15 Benzene	ND	20 µg/Kg			
16 1,2-Dichloropropane	ND	40 µg/Kg			
17 Trichloroethene	ND	40 µg/Kg			
18 Bromodichloromethane	ND	40 µg/Kg			
19 cis-1,3-Dichloropropene	ND	40 µg/Kg			
20 trans-1,3-Dichloropropene	ND	40 µg/Kg			
21 1,1,2-Trichloroethane	ND	40 µg/Kg			
22 Toluene	ND	20 µg/Kg			
23 Dibromochloromethane	ND	40 µg/Kg			
24 Tetrachloroethene	ND	40 µg/Kg			
25 Chlorobenzene	ND	40 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinckman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinckman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com


10/5/06
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-38A
Client I.D. Number: B-11 9-10ft.

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Limit	Compound	Concentration	Limit
1 Chloromethane	ND	40 µg/Kg	26 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	80 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

10/5/06

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Kleinfelder
4835 Longley Lane
Reno, NV 89502
Job#: 74330.02

Attn: Dave Herzog
Phone: (775) 689-7800
Fax: (775) 689-7810

Alpha Analytical Number: KLF06092756-39A
Client I.D. Number: DUP5

Sampled: 09/26/06
Received: 09/27/06
Analyzed: 09/30/06

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Chloromethane	ND	40 µg/Kg	26 Ethylbenzene	ND	10 µg/Kg
2 Vinyl chloride	ND	20 µg/Kg	27 m,p-Xylene	ND	10 µg/Kg
3 Chloroethane	ND	20 µg/Kg	28 Bromoform	ND	20 µg/Kg
4 Bromomethane	ND	80 µg/Kg	29 o-Xylene	ND	10 µg/Kg
5 Trichlorofluoromethane	ND	20 µg/Kg	30 1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6 1,1-Dichloroethene	ND	20 µg/Kg	31 1,3-Dichlorobenzene	ND	20 µg/Kg
7 Dichloromethane	ND	60 µg/Kg	32 1,4-Dichlorobenzene	ND	20 µg/Kg
8 trans-1,2-Dichloroethene	ND	20 µg/Kg	33 1,2-Dichlorobenzene	ND	20 µg/Kg
9 1,1-Dichloroethane	ND	20 µg/Kg			
10 cis-1,2-Dichloroethene	ND	20 µg/Kg			
11 Chloroform	ND	20 µg/Kg			
12 1,2-Dichloroethane	ND	20 µg/Kg			
13 1,1,1-Trichloroethane	ND	20 µg/Kg			
14 Carbon tetrachloride	ND	20 µg/Kg			
15 Benzene	ND	10 µg/Kg			
16 1,2-Dichloropropane	ND	20 µg/Kg			
17 Trichloroethene	ND	20 µg/Kg			
18 Bromodichloromethane	ND	20 µg/Kg			
19 cis-1,3-Dichloropropene	ND	20 µg/Kg			
20 trans-1,3-Dichloropropene	ND	20 µg/Kg			
21 1,1,2-Trichloroethane	ND	20 µg/Kg			
22 Toluene	ND	10 µg/Kg			
23 Dibromochloromethane	ND	20 µg/Kg			
24 Tetrachloroethene	ND	20 µg/Kg			
25 Chlorobenzene	ND	20 µg/Kg			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinckman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinckman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

10/5/06

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank		Type MBLK	Test Code: EPA Method SW6020 / SW6020A								
Sample ID:	File ID:	Units : mg/Kg	Run ID:	Batch ID: 15913 Analysis Date: 10/23/2006 16:07							
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)		ND		1							
Laboratory Control Spike		Type LCS	Test Code: EPA Method SW6020 / SW6020A								
Sample ID:	File ID:	Units : mg/Kg	Run ID:	Batch ID: 15913 Analysis Date: 10/23/2006 16:12							
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)		22	1	25	88	82	122				
Sample Matrix Spike		Type MS	Test Code: EPA Method SW6020 / SW6020A								
Sample ID:	File ID:	Units : mg/Kg	Run ID:	Batch ID: 15913 Analysis Date: 10/23/2006 17:15							
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)		27.1	1	25	3.802	93	66	137			
Sample Matrix Spike Duplicate		Type MSD	Test Code: EPA Method SW6020 / SW6020A								
Sample ID:	File ID:	Units : mg/Kg	Run ID:	Batch ID: 15913 Analysis Date: 10/23/2006 17:19							
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Lead (Pb)		27.7	1	25	3.802	96	66	137	27.07	2.3(22)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank		Type	MLBK	Test Code: EPA Method SW8260B					
File ID: 06092807.D				Batch ID: MS15S5695A		Analysis Date: 09/28/2006 10:33			
Sample ID:	MBLK MS15S5695A	Units : µg/Kg		Run ID: MSD_15_060928A		Prep Date:	09/28/2006		
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Chloromethane		ND		40					
Vinyl chloride		ND		20					
Chloroethane		ND		20					
Bromomethane		ND		40					
Trichlorofluoromethane		ND		20					
1,1-Dichloroethene		ND		20					
Dichloromethane		ND		40					
trans-1,2-Dichloroethene		ND		20					
cis-1,2-Dichloroethane		ND		20					
Chloroform		ND		20					
1,2-Dichloroethane		ND		20					
1,1,1-Trichloroethane		ND		20					
Carbon tetrachloride		ND		20					
Benzene		ND		5					
1,2-Dichloropropane		ND		20					
Trichloroethene		ND		20					
Bromodichloromethane		ND		20					
cis-1,3-Dichloropropene		ND		20					
trans-1,3-Dichloropropene		ND		20					
1,1,2-Trichloroethane		ND		20					
Toluene		ND		5					
Dibromochloromethane		ND		20					
Tetrachloroethene		ND		20					
Chlorobenzene		ND		20					
Ethylbenzene		ND		5					
m,p-Xylene		ND		5					
Bromoform		ND		20					
o-Xylene		ND		5					
1,1,2,2-Tetrachloroethane		ND		20					
1,3-Dichlorobenzene		ND		20					
1,4-Dichlorobenzene		ND		20					
1,2-Dichlorobenzene		ND		20					
Surr: 1,2-Dichloroethane-d4		213		200		107	68	119	
Surr: Toluene-d8		195		200		97	84	116	
Surr: 4-Bromofluorobenzene		187		200		94	72	118	
Laboratory Control Spike		Type	LCS	Test Code: EPA Method SW8260B					
File ID: 06092805.D				Batch ID: MS15S5695A		Analysis Date: 09/28/2006 09:48			
Sample ID:	LCS MS15S5695A	Units : µg/Kg		Run ID: MSD_15_060928A		Prep Date:	09/28/2006		
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Benzene		473	10	400		118	58	147	
Toluene		431	10	400		108	58	148	
Ethylbenzene		439	10	400		110	59	151	
m,p-Xylene		474	10	400		119	60	155	
o-Xylene		477	10	400		119	62	155	
Surr: 1,2-Dichloroethane-d4		433		400		108	68	119	
Surr: Toluene-d8		369		400		92	84	116	
Surr: 4-Bromofluorobenzene		389		400		97	72	118	
Sample Matrix Spike		Type	MS	Test Code: EPA Method SW8260B					
File ID: 06092811.D				Batch ID: MS15S5695A		Analysis Date: 09/28/2006 12:03			
Sample ID:	06092756-04AMS	Units : µg/Kg		Run ID: MSD_15_060928A		Prep Date:	09/28/2006		
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Benzene		551	20	800	0	69	30	151	
Toluene		505	20	800	0	63	25	159	
Ethylbenzene		507	20	800	0	63	27	161	
m,p-Xylene		547	20	800	0	68	22	170	
o-Xylene		552	20	800	0	69	22	171	
Surr: 1,2-Dichloroethane-d4		849		800		106	68	119	
Surr: Toluene-d8		766		800		98	84	116	
Surr: 4-Bromofluorobenzene		776		800		97	72	118	



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Sample Matrix Spike Duplicate		Type	MSD	Test Code: EPA Method SW8260B						
File ID: 06092812.D		Batch ID: MS15S5695A						Analysis Date: 09/28/2006 12:25		
Sample ID:	06092756-04AMSD	Units : µg/Kg	Run ID: MSD_15_060928A			Prep Date: 09/28/2006				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)
Benzene		517	20	800	0	65	30	151	550.7	6.4(37)
Toluene		470	20	800	0	59	25	159	505.4	7.4(40)
Ethylbenzene		478	20	800	0	60	27	161	507.5	6.0(39)
m,p-Xylene		499	20	800	0	62	22	170	546.5	9.2(40)
o-Xylene		515	20	800	0	64	22	171	551.6	6.9(41)
Surr: 1,2-Dichloroethane-d4		848		800		106	68	119		
Surr: Toluene-d8		769		800		96	84	116		
Surr: 4-Bromofluorobenzene		783		800		98	72	118		

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank		Type	MBLK	Test Code: EPA Method SW8260B							
File ID: C:\HPCHEM\MS07\DATA\060929\06092912.D				Batch ID: MS07S5697A		Analysis Date: 09/29/2006 12:29					
Sample ID:	MBLK MS07S5697A	Units : µg/Kg		Run ID: MSD_07_060928C		Prep Date:	09/29/2006				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloromethane		ND		40							
Vinyl chloride		ND		20							
Chloroethane		ND		20							
Bromomethane		ND		40							
Trichlorofluoromethane		ND		20							
1,1-Dichloroethene		ND		20							
Dichloromethane		ND		40							
trans-1,2-Dichloroethene		ND		20							
1,1-Dichloroethane		ND		20							
cis-1,2-Dichloroethene		ND		20							
Chloroform		ND		20							
1,2-Dichloroethane		ND		20							
1,1,1-Trichloroethane		ND		20							
Carbon tetrachloride		ND		20							
Benzene		ND		5							
1,2-Dichloropropane		ND		20							
Trichloroethene		ND		20							
Bromodichloromethane		ND		20							
cis-1,3-Dichloropropene		ND		20							
trans-1,3-Dichloropropene		ND		20							
1,1,2-Trichloroethane		ND		20							
Toluene		ND		5							
Dibromochloromethane		ND		20							
Tetrachloroethene		ND		20							
Chlorobenzene		ND		20							
Ethylbenzene		ND		5							
m,p-Xylene		ND		5							
Bromoform		ND		20							
o-Xylene		ND		5							
1,1,2,2-Tetrachloroethane		ND		20							
1,3-Dichlorobenzene		ND		20							
1,4-Dichlorobenzene		ND		20							
1,2-Dichlorobenzene		ND		20							
Sur: 1,2-Dichloroethane-d4		193		200		96	68	119			
Sur: Toluene-d8		201		200		101	84	116			
Sur: 4-Bromofluorobenzene		192		200		96	72	118			

Laboratory Control Spike		Type	LCS	Test Code: EPA Method SW8260B							
File ID: C:\HPCHEM\MS07\DATA\060929\06092913.D				Batch ID: MS07S5697A		Analysis Date: 09/29/2006 12:51					
Sample ID:	LCS MS07S5697A	Units : µg/Kg		Run ID: MSD_07_060928C		Prep Date:	09/29/2006				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene		394	10	400		99	58	147			
Toluene		390	10	400		98	58	148			
Ethylbenzene		404	10	400		101	59	151			
m,p-Xylene		421	10	400		105	60	155			
o-Xylene		395	10	400		99	62	155			
Sur: 1,2-Dichloroethane-d4		377		400		94	68	119			
Sur: Toluene-d8		415		400		104	84	116			
Sur: 4-Bromofluorobenzene		381		400		95	72	118			

Sample Matrix Spike		Type	MS	Test Code: EPA Method SW8260B							
File ID: C:\HPCHEM\MS07\DATA\060929\06092915.D				Batch ID: MS07S5697A		Analysis Date: 09/29/2006 13:38					
Sample ID:	06092756-12AMS	Units : µg/Kg		Run ID: MSD_07_060928C		Prep Date:	09/29/2006				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene		359	10	400		0	90	30	151		
Toluene		365	10	400		0	91	25	159		
Ethylbenzene		380	10	400		0	95	27	161		
m,p-Xylene		401	10	400		0	100	22	170		
o-Xylene		368	10	400		0	92	22	171		
Sur: 1,2-Dichloroethane-d4		359		400		90	68	119			
Sur: Toluene-d8		417		400		104	84	116			
Sur: 4-Bromofluorobenzene		373		400		93	72	118			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Sample Matrix Spike Duplicate		Type	MSD	Test Code: EPA Method SW8260B							
					Batch ID: MS07S5697A			Analysis Date: 09/29/2006 14:00			
Sample ID:	06092756-12AMSD	Units : µg/Kg	Run ID: MSD_07_060928C			Prep Date: 09/29/2006					
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene		277	10	400	0	69	30	151	359.3	26.0(37)	
Toluene		279	10	400	0	70	25	159	365.2	26.9(40)	
Ethylbenzene		288	10	400	0	72	27	161	380.5	27.6(39)	
m,p-Xylene		300	10	400	0	75	22	170	401	28.8(40)	
o-Xylene		273	10	400	0	68	22	171	367.9	29.5(41)	
Surr: 1,2-Dichloroethane-d4		360		400		90	68	119			
Surr: Toluene-d8		419		400		105	84	116			
Surr: 4-Bromofluorobenzene		379		400		95	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Method Blank		Type	MBLK	Test Code: EPA Method SW8260B											
Sample ID:	File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D	Units :	µg/Kg <th>Batch ID:</th> <td>MS07S5698A</td> <th data-cs="4" data-kind="parent">Analysis Date: 09/30/2006 02:02</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Batch ID:	MS07S5698A	Analysis Date: 09/30/2006 02:02									
Analyte		Result	PQL	Run ID:	MSD_07_060929A	Prep Date:	09/30/2006	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloromethane		ND	40												
Vinyl chloride		ND	20												
Chloroethane		ND	20												
Bromomethane		ND	40												
Trichlorofluoromethane		ND	20												
1,1-Dichloroethene		ND	20												
Dichloromethane		ND	40												
trans-1,2-Dichloroethene		ND	20												
1,1-Dichloroethane		ND	20												
cis-1,2-Dichloroethene		ND	20												
Chloroform		ND	20												
1,2-Dichloroethane		ND	20												
1,1,1-Trichloroethane		ND	20												
Carbon tetrachloride		ND	20												
Benzene		ND	5												
1,2-Dichloropropane		ND	20												
Trichloroethene		ND	20												
Bromodichloromethane		ND	20												
cis-1,3-Dichloropropene		ND	20												
trans-1,3-Dichloropropene		ND	20												
1,1,2-Trichloroethane		ND	20												
Toluene		ND	5												
Dibromochloromethane		ND	20												
Tetrachloroethene		ND	20												
Chlorobenzene		ND	20												
Ethylbenzene		ND	5												
m,p-Xylene		ND	5												
Bromoform		ND	20												
o-Xylene		ND	5												
1,1,2,2-Tetrachloroethane		ND	20												
1,3-Dichlorobenzene		ND	20												
1,4-Dichlorobenzene		ND	20												
1,2-Dichlorobenzene		ND	20												
Surr: 1,2-Dichloroethane-d4		187		200		93		68		119					
Surr: Toluene-d8		206		200		103		84		116					
Surr: 4-Bromofluorobenzene		187		200		94		72		118					

Laboratory Control Spike		Type	LCS	Test Code: EPA Method SW8260B											
Sample ID:	File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D	Units :	µg/Kg <th>Batch ID:</th> <td>MS07S5698A</td> <th data-cs="4" data-kind="parent">Analysis Date: 09/30/2006 02:24</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Batch ID:	MS07S5698A	Analysis Date: 09/30/2006 02:24									
Analyte		Result	PQL	Run ID:	MSD_07_060929A	Prep Date:	09/30/2006	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene		357	10	400		89		58		147					
Toluene		351	10	400		88		58		148					
Ethylbenzene		361	10	400		90		59		151					
m,p-Xylene		378	10	400		95		60		155					
o-Xylene		351	10	400		88		62		155					
Surr: 1,2-Dichloroethane-d4		370		400		92		68		119					
Surr: Toluene-d8		411		400		103		84		116					
Surr: 4-Bromofluorobenzene		381		400		95		72		118					

Sample Matrix Spike		Type	MS	Test Code: EPA Method SW8260B											
Sample ID:	File ID: C:\HPCHEM\MS07\DATA\060929\06092950.D	Units :	µg/Kg	Batch ID:	MS07S5698A	Analysis Date: 09/30/2006 02:47									
Analyte		Result	PQL	Run ID:	MSD_07_060929A	Prep Date:	09/30/2006	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene		366	10	400		0		92		30		151			
Toluene		366	10	400		0		92		25		159			
Ethylbenzene		382	10	400		0		96		27		161			
m,p-Xylene		398	10	400		0		99.5		22		170			
o-Xylene		373	10	400		0		93		22		171			
Surr: 1,2-Dichloroethane-d4		366		400		91		68		119					
Surr: Toluene-d8		415		400		104		84		116					
Surr: 4-Bromofluorobenzene		378		400		95		72		118					



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

OC Summary Report

Work Order:
06092756

Sample Matrix Spike Duplicate		Type	MSD	Test Code: EPA Method SW8260B							
					Batch ID: MS07S5698A			Analysis Date: 09/30/2006 03:09			
Sample ID:	06092756-32AMSD	Units : µg/Kg	Run ID: MSD_07_060929A			Prep Date: 09/30/2006					
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	Low_Limit	HighLimit	RPDRefVal	%RPD	(Limit)
Benzene		361	10	400	0	90	30	151	366.2	1.5(37)	
Toluene		360	10	400	0	90	25	159	366.4	1.7(40)	
Ethylbenzene		373	10	400	0	93	27	161	382.3	2.5(39)	
m,p-Xylene		389	10	400	0	97	22	170	398	2.3(40)	
o-Xylene		366	10	400	0	92	22	171	373.2	1.9(41)	
Surr: 1,2-Dichloroethane-d4		361		400		90	68	119			
Surr: Toluene-d8		412		400		103	84	116			
Surr: 4-Bromofluorobenzene		381		400		95	72	118			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

QC Summary Report

Method Blank							Type MBLK	Test Code: EPA Method SW8015						
File ID:					Batch ID: 15703		Analysis Date: 09/28/2006 15:16							
Sample ID: MBLK-15703		Units : mg/L		Run ID: FID_3_060928A			Prep Date: 09/28/2006							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (Diesel)	ND		5											
TPH-E (Oil)	ND		10											
Surr: Nonane	78.5		100		78	47	141							
Laboratory Control Spike							Type LCS	Test Code: EPA Method SW8015						
File ID:					Batch ID: 15703		Analysis Date: 09/28/2006 14:43							
Sample ID: LCS-15703		Units : mg/Kg		Run ID: FID_3_060928A			Prep Date: 09/28/2006							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	106	10	100		106	68	128							
Surr: Nonane	129		100		129	48	142							
Sample Matrix Spike							Type MS	Test Code: EPA Method SW8015						
File ID:					Batch ID: 15703		Analysis Date: 09/29/2006 05:11							
Sample ID: 06092756-20AMS		Units : mg/Kg		Run ID: FID_3_060928A			Prep Date: 09/28/2006							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	102	10	100		6	96	153							
Surr: Nonane	74		100		74	48	142							
Sample Matrix Spike Duplicate							Type MSD	Test Code: EPA Method SW8015						
File ID:					Batch ID: 15703		Analysis Date: 09/29/2006 05:45							
Sample ID: 06092756-20AMSD		Units : mg/Kg		Run ID: FID_3_060928A			Prep Date: 09/28/2006							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	98.2	10	100		6	92	153	101.9	3.7(22)					
Surr: Nonane	67.4		100		67	48	142							

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank							Type MBLK	Test Code: EPA Method SW8015						
File ID:			Batch ID: 15704				Analysis Date: 09/28/2006 15:46							
Sample ID:		MBLK-15704	Units : mg/Kg		Run ID: FID_2_060928A		Prep Date: 09/28/2006							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (Diesel)	ND		5											
TPH-E (Oil)	ND		10											
Surr: Nonane	121			100		121	48	142						
Laboratory Control Spike			Type LCS	Test Code: EPA Method SW8015							Analysis Date: 09/28/2006 15:15			
File ID:			Batch ID: 15704				Prep Date: 09/28/2006							
Sample ID:		LCS-15704	Units : mg/Kg		Run ID: FID_2_060928A		Analysis Date: 09/28/2006 15:15							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	93	10	100		93	68	128							
Surr: Nonane	120		100		120	48	142							
Sample Matrix Spike			Type MS	Test Code: EPA Method SW8015							Analysis Date: 09/28/2006 17:20			
File ID:			Batch ID: 15704				Prep Date: 09/28/2006							
Sample ID:		06092756-22AMS	Units : mg/Kg		Run ID: FID_2_060928A		Analysis Date: 09/28/2006 17:20							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	107	10	100	8.7	99	53	153							
Surr: Nonane	119		100		119	48	142							
Sample Matrix Spike Duplicate			Type MSD	Test Code: EPA Method SW8015							Analysis Date: 09/28/2006 17:52			
File ID:			Batch ID: 15704				Prep Date: 09/28/2006							
Sample ID:		06092756-22AMSD	Units : mg/Kg		Run ID: FID_2_060928A		Analysis Date: 09/28/2006 17:52							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	99.8	10	100	8.7	91	53	153	107.4	7.3(22)					
Surr: Nonane	121		100		121	48	142							

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank							Type MBLK	Test Code: EPA Method SW8015						
File ID:			Batch ID: 15706				Analysis Date: 09/29/2006 10:17							
Sample ID:		MBLK-15706	Units : mg/Kg		Run ID: FID_4_060928B			Prep Date: 09/28/2006						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (Diesel)	ND		5											
TPH-E (Oil)	ND		10											
Surr: Nonane	92.6			100		93	48		142					
Laboratory Control Spike							Type LCS	Test Code: EPA Method SW8015						
File ID:			Batch ID: 15706				Analysis Date: 09/29/2006 10:53							
Sample ID:		LCS-15706	Units : mg/Kg		Run ID: FID_4_060928B			Prep Date: 09/28/2006						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	87.5	10	100		87	68	128							
Surr: Nonane	95.2		100		95	48	142							
Sample Matrix Spike							Type MS	Test Code: EPA Method SW8015						
File ID:			Batch ID: 15706				Analysis Date: 09/29/2006 15:43							
Sample ID:		06092756-49AMS	Units : mg/Kg		Run ID: FID_4_060928B			Prep Date: 09/28/2006						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	135	10	100	200	-65	53	153							M50
Surr: Nonane	67.3		100		67	48	142							
Sample Matrix Spike Duplicate							Type MSD	Test Code: EPA Method SW8015						
File ID:			Batch ID: 15706				Analysis Date: 09/29/2006 16:18							
Sample ID:		06092756-49AMSD	Units : mg/Kg		Run ID: FID_4_060928B			Prep Date: 09/28/2006						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual				
TPH-E (DRO)	124	10	100	200	-76	53	153	135.2	8.6(22)	M50				
Surr: Nonane	68.7		100		69	48	142							

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M50 = Matrix spike recovery was below laboratory acceptance limits and is likely due to sample non-homogeneity. The laboratory control sample recovery was acceptable.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank							Type MBLK	Test Code: EPA Method SW8015B						
File ID: C:\HPCHEM\MS07\DATA\060929\06092912.D			Batch ID: MS07S5697B				Analysis Date: 09/29/2006 12:29							
Sample ID:	MBLK	MS07S5697B	Units : mg/Kg	Run ID: MSD_07_060928C			Prep Date: 09/29/2006							
Analyte			Result	PQL	SpkVal	SpkRefVal %REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit)	Qual				
TPH-P (Purgeable)		ND	1											
Surr: 1,2-Dichloroethane-d4		0.193		0.2		96	68	119						
Surr: Toluene-d8		0.201		0.2		101	84	116						
Surr: 4-Bromofluorobenzene		0.192		0.2		96	72	118						
Laboratory Control Spike							Type LCS	Test Code: EPA Method SW8015B						
File ID: C:\HPCHEM\MS07\DATA\060929\06092914.D			Batch ID: MS07S5697B				Analysis Date: 09/29/2006 13:14							
Sample ID:	GLCS	MS07W5697B	Units : mg/Kg	Run ID: MSD_07_060928C			Prep Date: 09/29/2006							
Analyte			Result	PQL	SpkVal	SpkRefVal %REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit)	Qual				
TPH-P (Purgeable)		14.5	2	16		90	60	153						
Surr: 1,2-Dichloroethane-d4		0.375		0.4		94	68	119						
Surr: Toluene-d8		0.401		0.4		100	84	116						
Surr: 4-Bromofluorobenzene		0.389		0.4		97	72	118						
Sample Matrix Spike							Type MS	Test Code: EPA Method SW8015B						
File ID: C:\HPCHEM\MS07\DATA\060929\06092917.D			Batch ID: MS07S5697B				Analysis Date: 09/29/2006 14:22							
Sample ID:	06092756-12AGS		Units : mg/Kg	Run ID: MSD_07_060928C			Prep Date: 09/29/2006							
Analyte			Result	PQL	SpkVal	SpkRefVal %REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit)	Qual				
TPH-P (Purgeable)		7.42	2	16	0	46	8	177						
Surr: 1,2-Dichloroethane-d4		0.357		0.4		89	68	119						
Surr: Toluene-d8		0.408		0.4		102	84	116						
Surr: 4-Bromofluorobenzene		0.384		0.4		96	72	118						
Sample Matrix Spike Duplicate							Type MSD	Test Code: EPA Method SW8015B						
File ID: C:\HPCHEM\MS07\DATA\060929\06092918.D			Batch ID: MS07S5697B				Analysis Date: 09/29/2006 14:45							
Sample ID:	06092756-12AGSD		Units : mg/Kg	Run ID: MSD_07_060928C			Prep Date: 09/29/2006							
Analyte			Result	PQL	SpkVal	SpkRefVal %REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit)	Qual				
TPH-P (Purgeable)		8.95	2	16	0	56	8	177	7.421	18.7(45)				
Surr: 1,2-Dichloroethane-d4		0.364		0.4		91	68	119						
Surr: Toluene-d8		0.405		0.4		101	84	116						
Surr: 4-Bromofluorobenzene		0.377		0.4		94	72	118						

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank							Type MBLK	Test Code: EPA Method SW8015B									
File ID: C:\HPCHEM\MS07\DATA\060929\06092948.D							Batch ID: MS07S5698B			Analysis Date: 09/30/2006 02:02							
Sample ID: MBLK MS07S5698B		Units : mg/Kg		Run ID: MSD_07_060929A			Prep Date: 09/30/2006										
Analyte	Result	PQL		SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual						
TPH-P (Purgeable)	ND	1															
Surr: 1,2-Dichloroethane-d4	0.187		0.2		93	68	119										
Surr: Toluene-d8	0.206		0.2		103	84	116										
Surr: 4-Bromofluorobenzene	0.187		0.2		94	72	118										
Laboratory Control Spike							Type LCS	Test Code: EPA Method SW8015B									
File ID: C:\HPCHEM\MS07\DATA\060929\06092952.D							Batch ID: MS07S5698B			Analysis Date: 09/30/2006 03:32							
Sample ID: GLCS MS07S5698B		Units : mg/Kg		Run ID: MSD_07_060929A			Prep Date: 09/30/2006										
Analyte	Result	PQL		SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual						
TPH-P (Purgeable)	13	2	16		81	60	153										
Surr: 1,2-Dichloroethane-d4	0.365		0.4		91	68	119										
Surr: Toluene-d8	0.404		0.4		101	84	116										
Surr: 4-Bromofluorobenzene	0.384		0.4		96	72	118										
Sample Matrix Spike							Type MS	Test Code: EPA Method SW8015B									
File ID: C:\HPCHEM\MS07\DATA\060929\06092953.D							Batch ID: MS07S5698B			Analysis Date: 09/30/2006 03:54							
Sample ID: 06092756-32AGS		Units : mg/Kg		Run ID: MSD_07_060929A			Prep Date: 09/30/2006										
Analyte	Result	PQL		SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual						
TPH-P (Purgeable)	12.3	2	16	0	77	8	177										
Surr: 1,2-Dichloroethane-d4	0.362		0.4		91	68	119										
Surr: Toluene-d8	0.405		0.4		101	84	116										
Surr: 4-Bromofluorobenzene	0.383		0.4		96	72	118										
Sample Matrix Spike Duplicate							Type MSD	Test Code: EPA Method SW8015B									
File ID: C:\HPCHEM\MS07\DATA\060929\06092954.D							Batch ID: MS07S5698B			Analysis Date: 09/30/2006 04:17							
Sample ID: 06092756-32AGSD		Units : mg/Kg		Run ID: MSD_07_060929A			Prep Date: 09/30/2006										
Analyte	Result	PQL		SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual						
TPH-P (Purgeable)	12.6	2	16	0	79	8	177								12.32	2.2(45)	
Surr: 1,2-Dichloroethane-d4	0.363		0.4		91	68	119										
Surr: Toluene-d8	0.407		0.4		102	84	116										
Surr: 4-Bromofluorobenzene	0.384		0.4		96	72	118										

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
27-Oct-06

Work Order:
06092756

OC Summary Report

Method Blank		Type MBLK	Test Code: EPA Method SW8015B									
File ID: 06092807.D		Units : mg/Kg			Run ID: MSD_15_060928A			Batch ID: MS15S5695B			Analysis Date: 09/28/2006 10:33	
Sample ID:	MBLK MS15S5695B	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual	
TPH-P (Purgeable)	ND	1										
Sur: 1,2-Dichloroethane-d4	0.213		0.2		107	68	119					
Sur: Toluene-d8	0.195		0.2		97	84	116					
Sur: 4-Bromofluorobenzene	0.187		0.2		94	72	118					
Laboratory Control Spike		Type LCS	Test Code: EPA Method SW8015B						Analysis Date: 09/28/2006 10:11			
File ID: 06092806.D		Units : mg/Kg			Run ID: MSD_15_060928A			Batch ID: MS15S5695B			Prep Date: 09/28/2006	
Sample ID:	GLCS MS15S5695B	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual	
TPH-P (Purgeable)	17	2	16		106	60	153					
Sur: 1,2-Dichloroethane-d4	0.433		0.4		108	68	119					
Sur: Toluene-d8	0.382		0.4		96	84	116					
Sur: 4-Bromofluorobenzene	0.38		0.4		95	72	118					
Sample Matrix Spike		Type MS	Test Code: EPA Method SW8015B						Analysis Date: 09/28/2006 12:48			
File ID: 06092813.D		Units : mg/Kg			Run ID: MSD_15_060928A			Batch ID: MS15S5695B			Prep Date: 09/28/2006	
Sample ID:	06092756-04AGS	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual	
TPH-P (Purgeable)	17.1	4	32	0	54	8	177					
Sur: 1,2-Dichloroethane-d4	0.835		0.8		104	68	119					
Sur: Toluene-d8	0.781		0.8		98	84	116					
Sur: 4-Bromofluorobenzene	0.785		0.8		98	72	118					
Sample Matrix Spike Duplicate		Type MSD	Test Code: EPA Method SW8015B						Analysis Date: 09/28/2006 13:10			
File ID: 06092814.D		Units : mg/Kg			Run ID: MSD_15_060928A			Batch ID: MS15S5695B			Prep Date: 09/28/2006	
Sample ID:	06092756-04AGSD	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual	
TPH-P (Purgeable)	16.1	4	32	0	50	8	177		17.15	6.5(45)		
Sur: 1,2-Dichloroethane-d4	0.833		0.8		104	68	119					
Sur: Toluene-d8	0.778		0.8		97	84	116					
Sur: 4-Bromofluorobenzene	0.777		0.8		97	72	118					

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information:



Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Name _____
Address _____
City, State, Zip _____
Phone Number _____ Fax _____

Samples Collected From Which State?

AZ — CA — NV — WA —
ID — OR — OTHER —

Page # 1 of 5

Analyses Required

11422

Required QC Level?
I II III IV
EDD / EDF? YES NO

Global ID # _____

REMARKS

Client Name	P.O. #	Job #	Sample Description	TAT <small>Filter</small>	Total and type of containers ** See below
Address	E-Mail Address				
City, State, Zip	Phone #				
Phone Number	Fax				
Time Sampled	Date	Matrix* See Key Below	Office Use Only	Sample ID#	Report Type
9:30 AM	9/16/06	50	KLFOL009275001	B-1	1-2'
9:45				-02	B-1 4-5
9:55				-03	B-1 9-10
10:00				-04	B-2 1-2
11:10				-05	B-2 4-5
12:00				-06	B-2 9-10
1:30 PM				-07	B-3 1-2
1:50				-08	B-3 4-5
2:30				-09	B-3 9-10
1:45 PM				-07	B-4 1-2
1:50				-10	B-4 4-5
1:53 PM				-11	B-4 8-9
1:50				-12	B-5 1-2
				-13	B-5 1-2

ADDITIONAL INSTRUCTIONS:

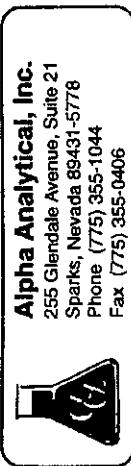
D. J. Johnson
Relinquished by
D. J. Johnson
Received by
Relinquished by

Signature	Print Name	Company	Date	Time
<i>D. J. Johnson</i>	<i>D. J. Johnson</i>	<i>Conform</i>	9-27-06	12:20
<i>D. J. Johnson</i>	<i>D. J. Johnson</i>	<i>Johnson</i>	<i>9/27/06</i>	<i>1220</i>

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other ***: L-Liter V-Voa S-Soil Jar O-Orbo T-Tediar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:
 Name Kelvin
 Address _____
 City, State, Zip _____
 Phone Number _____ Fax _____



Samples Collected From Which State?

AZ	CA	NV	WA
ID	OR	OTHER	

Analyses Required 17414

Page # 2 of 5

Client Name	P.O. #	EMail Address	Phone #	Fax #	Report Number	Matrix	Date Sampled	Lab ID Number (Use Only)	Sample Description	TAT	Total and type of containers * See below	Field Filtered	Required QC Level?
1945 9/10/01 SO	1945-14	Job #4330.2			Method 1/10/01	Soil	-15		B5910	5/9	15	2	I
1945							-16		B6 241				II
1945							-17		B6 -5-6				III
1945							-18		B6 -8-9				IV
1945							-19		B7 1-2				
1945							-20		B7 6-7				
1945							-21		B7 9-10				
1945							-22		B8 1-2				
1945							-23		B8 4-5				
1945							-24		B9 2-3				
1945							-25		B9 4-5				
1945							-26		B9 9-10				

ADDITIONAL INSTRUCTIONS:

Signature	Print Name	Company	Date	Time
<i>John Herzer</i>	John Herzer	Envirotest	9-22-06	12:25
<i>Mike Johnson</i>	Mike Johnson	Alpha	9/22/06	12:25
Received by				
Relinquished by				
Received by				

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

